STAAR Modified
2013 Score Distributions and Statistics by Content Area and Grade

Glossary

This glossary provides definitions for the statistical terms that appear in the tables and graphs in this section ("STAAR Modified 2013 Score Distributions and Statistics by Content Area and Grade") of Appendix C. Definition of statistical terms and concepts in the other sections are given in chapter 3 or chapter 5.

Descriptive Statistics

Mean. The mean is a measure of central tendency. It is the average score for the assessment. It is computed by summing the scores of all students and dividing it by the total number of students (N).

Median. The median is another measure of central tendency. It is the score at the middle of the frequency distribution for the assessment. It is computed by finding the score at which there is the same number of scores above as there is below.

Mode. The mode is another measure of central tendency. It is the most frequently obtained score for the assessment. It is determined by computing the frequency distribution and finding the score point with the highest frequency (n-count).

Range. The range is a measure of statistical dispersion (variability or spread). It is the difference between the lowest and highest scores obtained by students on the assessment. It is computed by subtracting the lowest score from the highest score.

Interquartile Range. The interquartile range is another measure of statistical dispersion (variability or spread). It is the difference between the 1st and 3rd quartiles (or 25th and 75th percentile) of the score distribution for the assessment. It is computed by subtracting the score at the 1st quartile (the point that splits the lowest 25% of the scores) from the score at the 3rd quartile (the point that splits the highest 25% of the scores).

Standard Deviation (SD). The standard deviation is another measure of statistical dispersion (variability or spread). It is an indicator of the degree of score variation around the mean. It is computed using the following formula.

$$SD = \sqrt{\frac{\sum_{i=1}^{N}(x_i - \bar{x})^2}{N-1}}$$

where x_i is the score for student i, $\bar{x}$ is the mean score and N is the total number of students that took the assessment.

Variance. The variance is another measure of statistical dispersion (variability or spread) around the mean. It is computed as the square of the standard deviation (SD).

Skewness. The skewness is an indicator of the shape of the score distribution. It measures the extent to which the score distribution "leans" to one side of the mean. A positive skewness indicates that the score distribution leans below the mean. A negative skewness indicates that the score distribution leans above the mean. A skewness of zero indicates that the score distribution is symmetric around the mean. It is computed using the following formula.

$$Skewness = \frac{N}{(N-1)(N-2)} \sum_{i=1}^{N} \left(\frac{x_i - \bar{x}}{s_x} \right)^3$$

where x_i is the score for student i, $\bar{x}$ is the mean score, s_x is the standard deviation (SD) and N is the total number of students that took the assessment.

Kurtosis. The kurtosis is another indicator of the shape of the score distribution. It measures the "peakedness" of the score distribution. A positive kurtosis is referred to as *leptokurtic*, meaning that the distribution has a more acute peak around the mean and fatter tails. A negative kurtosis is called *platykurtic*, meaning the distribution has a lower, wider peak around the mean and thinner tails. It is computed using the following formula.

$$Kurtosis = \frac{N(N+1)}{(N-1)(N-2)(N-3)} \sum_{i=1}^{N} \left(\frac{x_i - \bar{x}}{s_x} \right)^4 - \frac{3(N-1)^2}{(N-2)(N-3)}$$

where x_i is the score for student i, $\bar{x}$ is the mean score, s_x is the standard deviation (SD) and N is the total number of students that took the assessment.

Frequency Distributions[1]

Frequency (FREQ). This is the number of students that obtained the particular score point on the assessment.

Cumulative Frequency (CUM FREQ). This is the number of students that obtained a score that is less than or equal to the particular score point on the assessment.

Percentage (PCT). This is the percentage of students that obtained the particular score point on the assessment. It is computed as: PCT = FREQ $\div$ N $\times$ 100.

Cumulative Percentage (CUM PCT). This is the percentage of students that obtained a score that is less than or equal to the particular score point on the assessment. It is computed as: CUM PCT = CUM FREQ $\div$ N $\times$ 100.

[1] Frequency distributions and histograms for STAAR Modified assessments are combined across all test forms of the special operational administration.

Scale Score Descriptive Statistics for 2013 STAAR Modified 3–8 Assessments

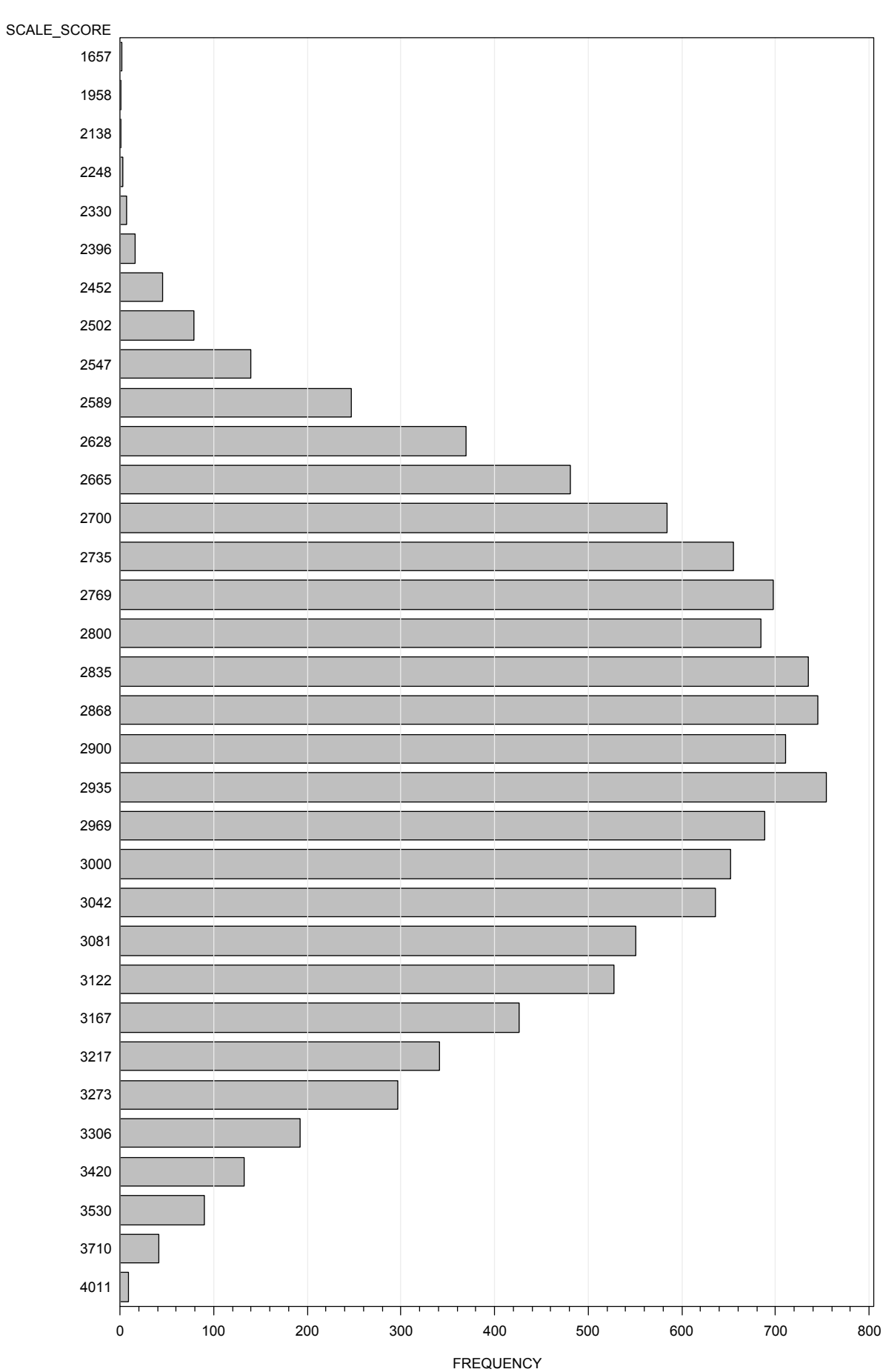
Subject	N	Mean	Median	Mode	Range	Interquartile Range	SD	Variance	Skewness	Kurtosis
GRADE 3 READING	11544	2913.79	2900	2935	2354	273	209.26	43788.29	0.5442	1.1550
GRADE 4 READING	14162	2902.90	2900	2924	2287	274	203.17	41279.04	0.3926	0.8276
GRADE 5 READING	15595	2946.28	2925	2862	2720	291	219.80	48310.03	0.5255	1.4890
GRADE 6 READING	15000	2897.10	2871	2839	2804	296	228.65	52278.89	0.2996	1.6138
GRADE 7 READING	13330	2903.53	2900	2900	2796	307	222.94	49703.64	0.3092	1.3673
GRADE 8 READING	12649	2918.55	2914	2914	2558	295	219.16	48032.66	0.2917	0.7819
GRADE 3 MATHEMATICS	9933	2936.54	2900	2723	3223	447	332.69	110681.72	0.5597	1.8048
GRADE 4 MATHEMATICS	12796	2927.18	2900	2800	3039	387	297.33	88406.65	0.5848	1.1137
GRADE 5 MATHEMATICS	14767	2936.27	2900	2765	3938	431	333.70	111353.21	0.5309	1.7839
GRADE 6 MATHEMATICS	14622	2864.39	2827	2735	4529	414	320.01	102409.35	0.3897	3.1901
GRADE 7 MATHEMATICS	13832	2889.77	2852	2760	4660	412	311.14	96805.71	0.4142	2.6407
GRADE 8 MATHEMATICS	13271	2873.22	2825	2739	4091	388	311.29	96903.81	0.3373	2.0879
GRADE 5 SCIENCE	12611	2846.31	2844	2921	2537	323	258.43	66783.85	0.6262	1.4796
GRADE 8 SCIENCE	11559	2933.71	2943	2979	3346	357	280.23	78529.94	0.2526	0.7294
GRADE 8 SOCIAL STUDIES	11214	2872.98	2836	2800	3026	284	222.55	49530.68	0.6763	2.2975
GRADE 4 WRITING	14070	2879.23	2850	2608	3507	449	338.48	114571.31	0.5198	0.9157
GRADE 7 WRITING	13461	2939.91	2900	2842	4157	384	309.89	96032.55	0.1238	1.4205

Scale Score Descriptive Statistics for 2013 STAAR Modified EOC Assessments

Subject	N	Mean	Median	Mode	Range	Interquartile Range	SD	Variance	Skewness	Kurtosis
ENGLISH I - READING	12303	1482.21	1466	1450	1483	159	122.04	14893.27	-0.1187	2.5142
ENGLISH I - WRITING	12246	1464.30	1457	1430	1206	154	118.85	14125.26	0.1872	1.8607
ENGLISH II - READING	10940	1493.55	1479	1524	1444	183	133.54	17833.39	0.3314	0.8988
ENGLISH II - WRITING	10958	1506.64	1500	1521	1478	177	122.29	14954.91	0.3125	1.1898
ALGEBRA I	13133	2768.32	2765	2724	3313	260	225.13	50684.89	-0.1860	5.5938
GEOMETRY	10284	2734.22	2739	2687	3596	321	240.34	57765.04	-0.0842	5.7357
BIOLOGY	11206	2798.50	2800	2723	3048	272	224.47	50387.22	0.2144	3.4196
WORLD GEOGRAPHY	10730	2882.51	2844	2763	3589	265	213.77	45697.86	0.6263	3.9012

FREQUENCY DISTRIBUTION - SCALE SCORES

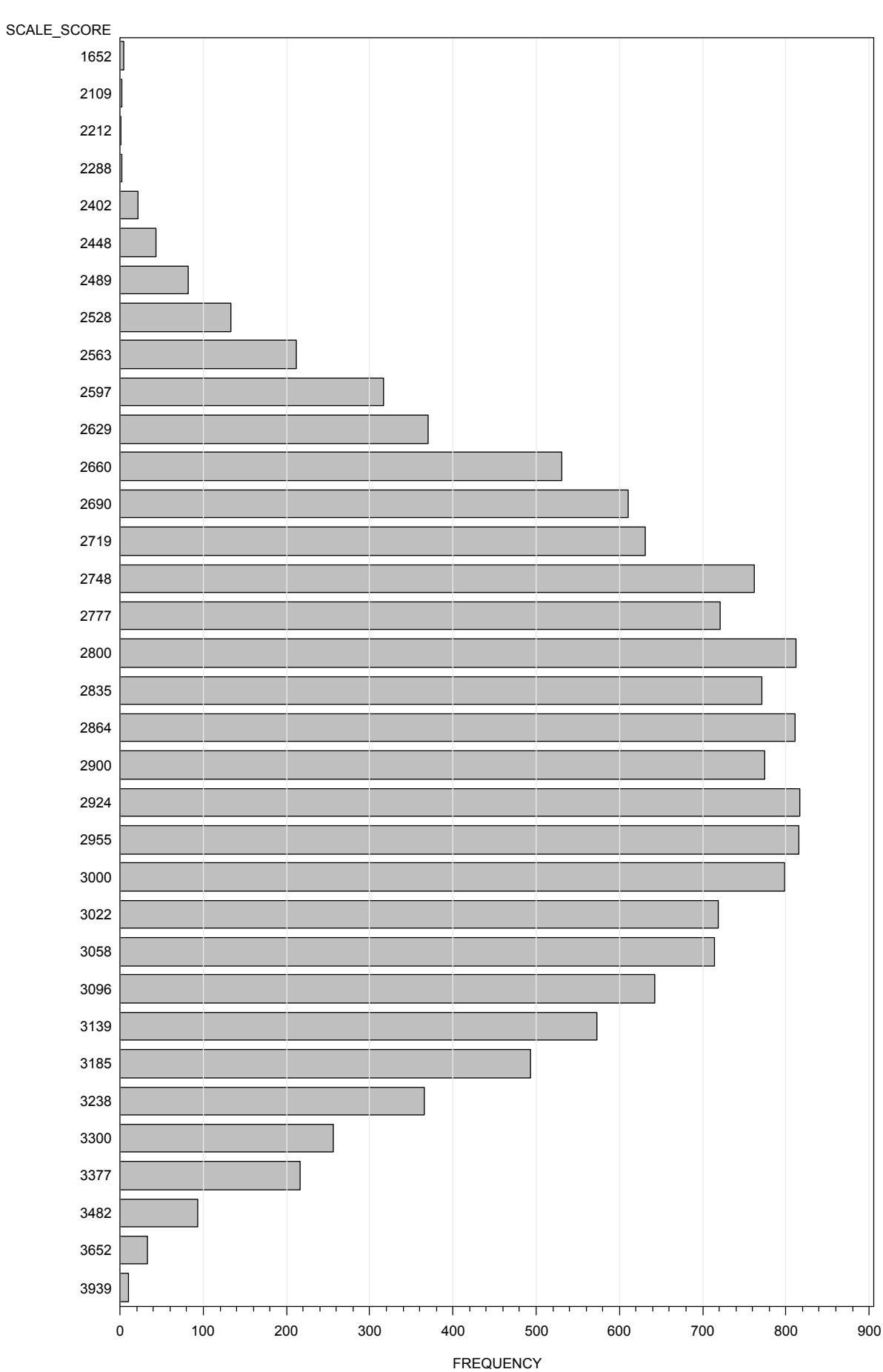
STAAR MODIFIED SPRING 2013
GRADE 3 READING
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1657	2	2	0.02	0.02
1958	1	3	0.01	0.03
2138	1	4	0.01	0.03
2248	3	7	0.03	0.06
2330	7	14	0.06	0.12
2396	16	30	0.14	0.26
2452	45	75	0.39	0.65
2502	79	154	0.68	1.33
2547	140	294	1.21	2.55
2589	247	541	2.14	4.69
2628	369	910	3.20	7.89
2665	481	1391	4.17	12.05
2700	584	1975	5.06	17.11
2735	655	2630	5.68	22.79
2769	698	3328	6.05	28.84
2800	684	4012	5.93	34.77
2835	735	4747	6.37	41.14
2868	745	5492	6.46	47.59
2900	711	6203	6.16	53.75
2935	754	6957	6.53	60.29
2969	689	7646	5.97	66.26
3000	652	8298	5.65	71.91
3042	636	8934	5.51	77.42
3081	551	9485	4.77	82.19
3122	527	10012	4.57	86.76
3167	426	10438	3.69	90.45
3217	341	10779	2.95	93.41
3273	297	11076	2.57	95.98
3306	192	11268	1.66	97.64
3420	132	11400	1.14	98.79
3530	90	11490	0.78	99.57
3710	41	11531	0.36	99.92
4011	9	11540	0.08	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

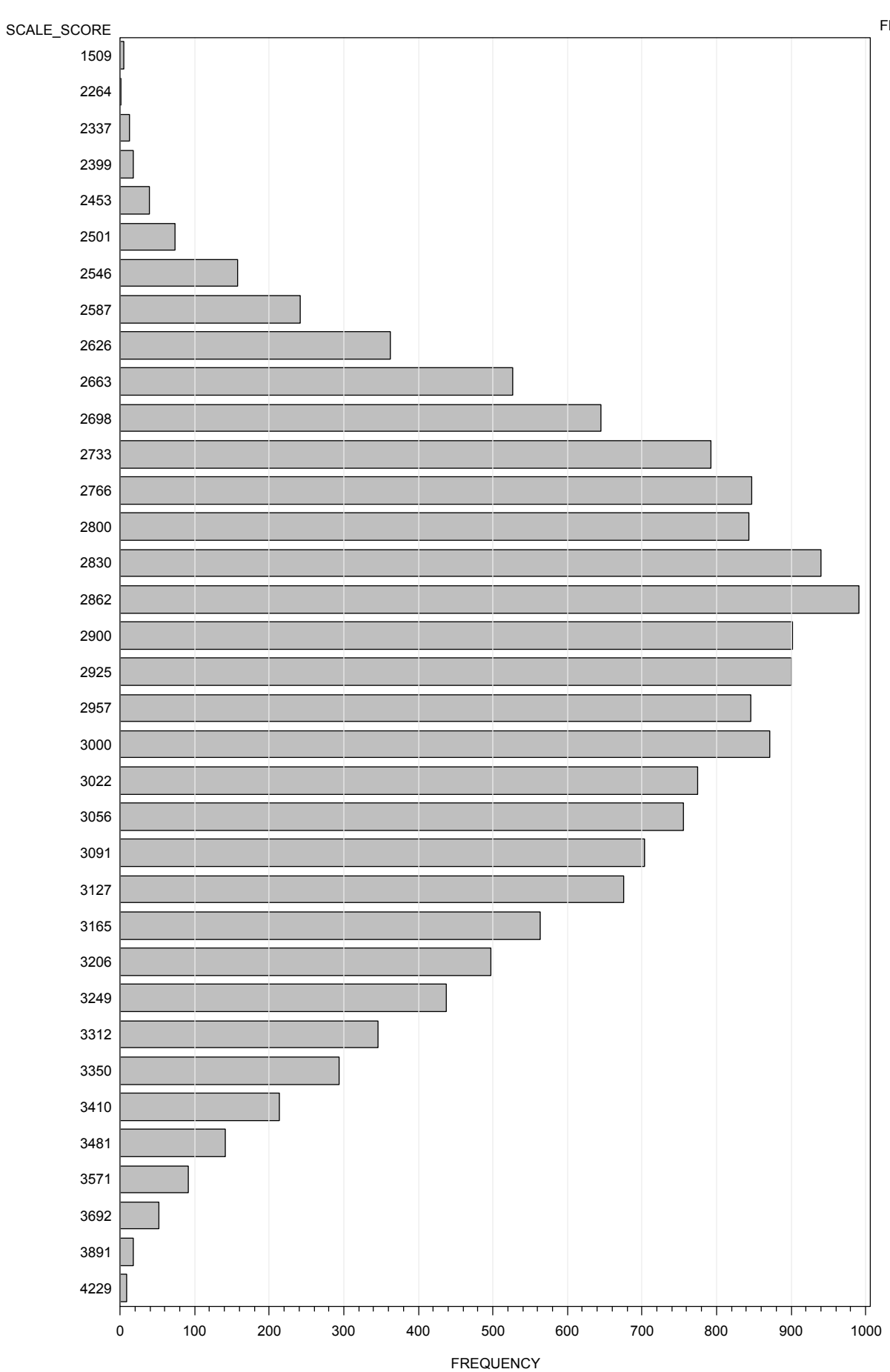
STAAR MODIFIED SPRING 2013
GRADE 4 READING
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1652	4	4	0.03	0.03
2109	2	6	0.01	0.04
2212	1	7	0.01	0.05
2288	2	9	0.01	0.06
2402	22	31	0.16	0.22
2448	43	74	0.30	0.52
2489	82	156	0.58	1.10
2528	133	289	0.94	2.04
2563	212	501	1.50	3.54
2597	317	818	2.24	5.78
2629	370	1188	2.61	8.39
2660	531	1719	3.75	12.14
2690	610	2329	4.31	16.45
2719	631	2960	4.46	20.91
2748	762	3722	5.38	26.29
2777	721	4443	5.09	31.38
2800	812	5255	5.74	37.12
2835	771	6026	5.45	42.57
2864	811	6837	5.73	48.29
2900	774	7611	5.47	53.76
2924	817	8428	5.77	59.53
2955	816	9244	5.76	65.30
3000	798	10042	5.64	70.93
3022	719	10761	5.08	76.01
3058	714	11475	5.04	81.06
3096	642	12117	4.53	85.59
3139	573	12690	4.05	89.64
3185	493	13183	3.48	93.12
3238	366	13549	2.59	95.71
3300	256	13805	1.81	97.51
3377	216	14021	1.53	99.04
3482	93	14114	0.66	99.70
3652	33	14147	0.23	99.93
3939	10	14157	0.07	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

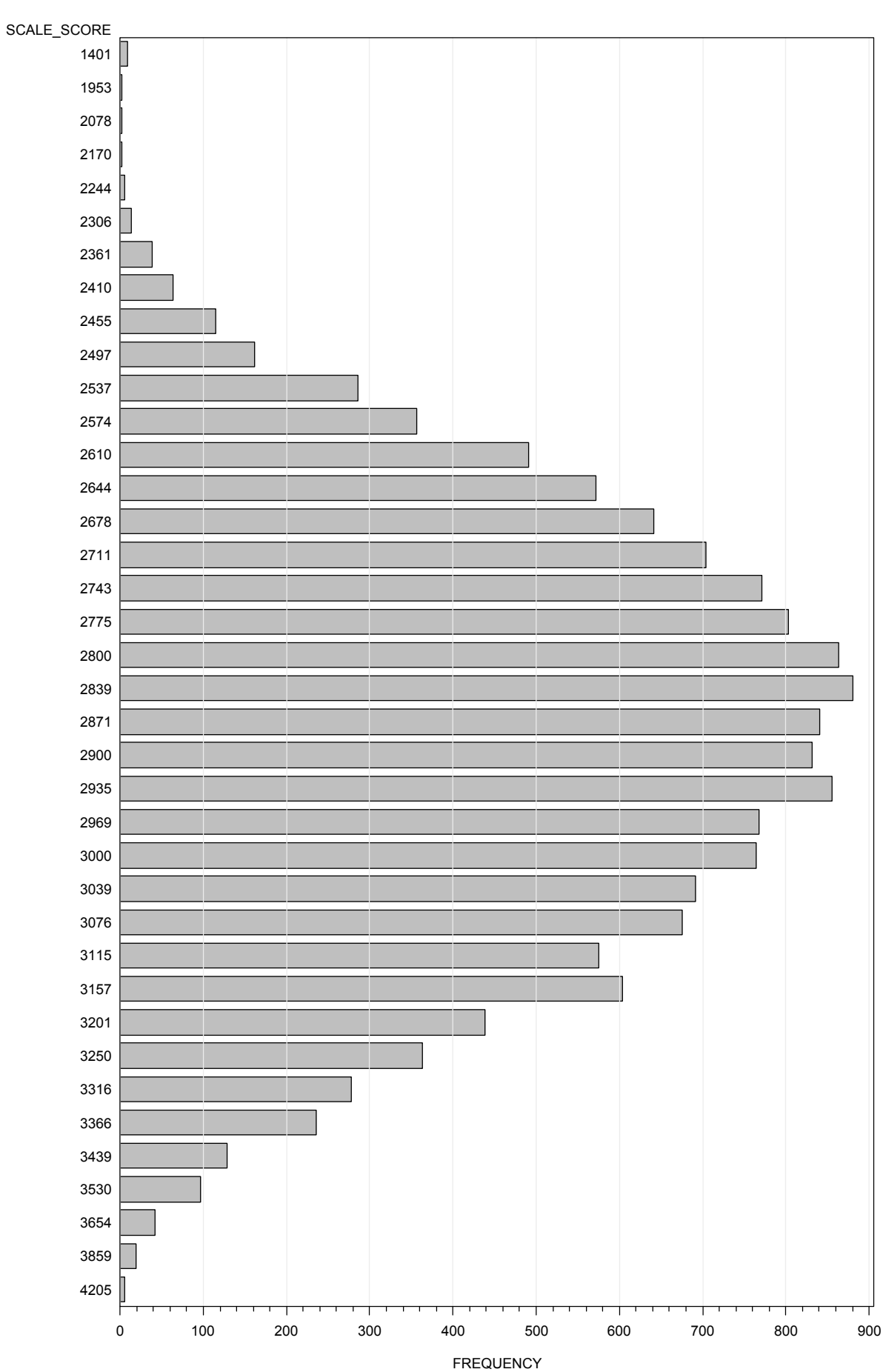
STAAR MODIFIED SPRING 2013
GRADE 5 READING
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1509	5	5	0.03	0.03
2264	1	6	0.01	0.04
2337	12	18	0.08	0.12
2399	18	36	0.12	0.23
2453	39	75	0.25	0.48
2501	73	148	0.47	0.95
2546	157	305	1.01	1.96
2587	242	547	1.55	3.51
2626	362	909	2.32	5.83
2663	526	1435	3.37	9.21
2698	645	2080	4.14	13.34
2733	793	2873	5.09	18.43
2766	847	3720	5.43	23.86
2800	843	4563	5.41	29.27
2830	940	5503	6.03	35.30
2862	991	6494	6.36	41.66
2900	902	7396	5.79	47.45
2925	900	8296	5.77	53.22
2957	846	9142	5.43	58.65
3000	872	10014	5.59	64.24
3022	775	10789	4.97	69.21
3056	756	11545	4.85	74.06
3091	704	12249	4.52	78.58
3127	676	12925	4.34	82.92
3165	563	13488	3.61	86.53
3206	497	13985	3.19	89.72
3249	438	14423	2.81	92.53
3312	346	14769	2.22	94.75
3350	294	15063	1.89	96.63
3410	214	15277	1.37	98.00
3481	141	15418	0.90	98.91
3571	91	15509	0.58	99.49
3692	52	15561	0.33	99.83
3891	18	15579	0.12	99.94
4229	9	15588	0.06	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

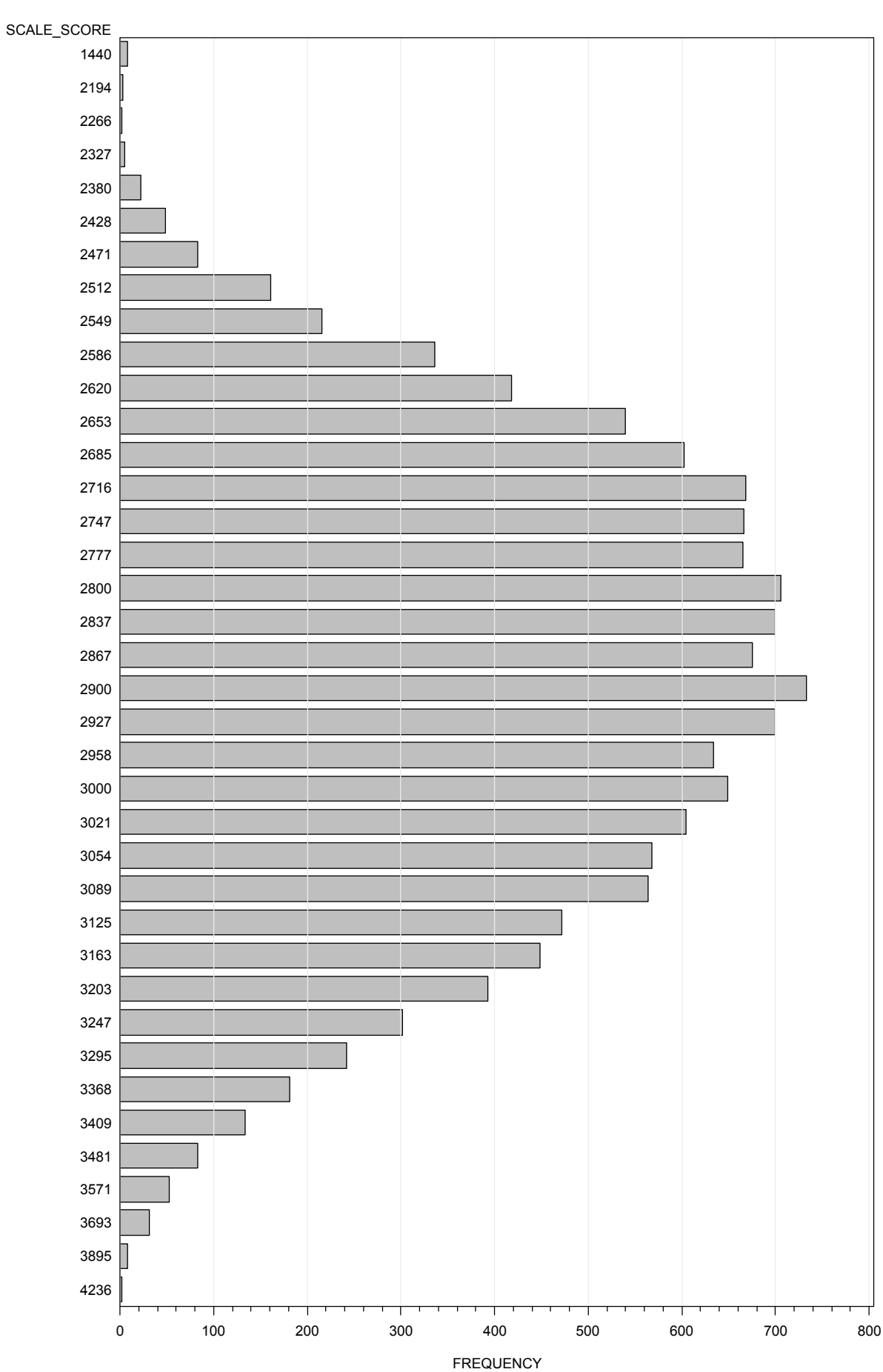
STAAR MODIFIED SPRING 2013
GRADE 6 READING
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1401	9	9	0.06	0.06
1953	2	11	0.01	0.07
2078	2	13	0.01	0.09
2170	2	15	0.01	0.10
2244	5	20	0.03	0.13
2306	13	33	0.09	0.22
2361	38	71	0.25	0.47
2410	64	135	0.43	0.90
2455	115	250	0.77	1.67
2497	162	412	1.08	2.75
2537	286	698	1.91	4.66
2574	356	1054	2.37	7.03
2610	491	1545	3.27	10.30
2644	572	2117	3.82	14.12
2678	641	2758	4.28	18.40
2711	704	3462	4.70	23.09
2743	771	4233	5.14	28.23
2775	803	5036	5.36	33.59
2800	864	5900	5.76	39.35
2839	881	6781	5.88	45.23
2871	841	7622	5.61	50.84
2900	831	8453	5.54	56.38
2935	856	9309	5.71	62.09
2969	768	10077	5.12	67.21
3000	764	10841	5.10	72.31
3039	691	11532	4.61	76.92
3076	676	12208	4.51	81.42
3115	575	12783	3.84	85.26
3157	604	13387	4.03	89.29
3201	438	13825	2.92	92.21
3250	363	14188	2.42	94.63
3316	278	14466	1.85	96.49
3366	236	14702	1.57	98.06
3439	128	14830	0.85	98.91
3530	97	14927	0.65	99.56
3654	42	14969	0.28	99.84
3859	19	14988	0.13	99.97
4205	5	14993	0.03	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

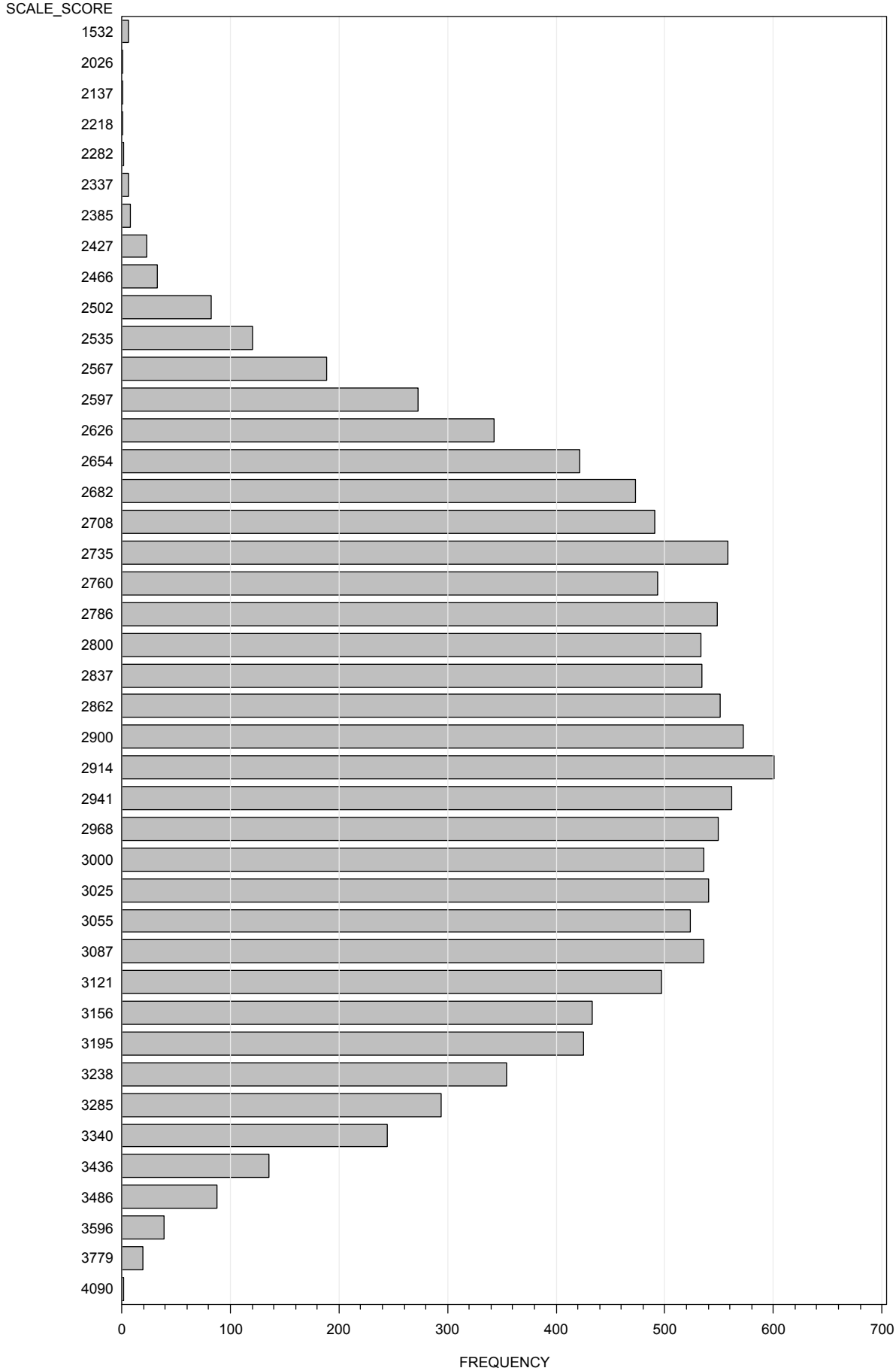
STAAR MODIFIED SPRING 2013
GRADE 7 READING
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1440	8	8	0.06	0.06
2194	3	11	0.02	0.08
2266	2	13	0.02	0.10
2327	5	18	0.04	0.14
2380	22	40	0.17	0.30
2428	48	88	0.36	0.66
2471	83	171	0.62	1.28
2512	161	332	1.21	2.49
2549	216	548	1.62	4.11
2586	336	884	2.52	6.64
2620	418	1302	3.14	9.77
2653	540	1842	4.05	13.83
2685	602	2444	4.52	18.34
2716	668	3112	5.01	23.36
2747	666	3778	5.00	28.36
2777	665	4443	4.99	33.35
2800	706	5149	5.30	38.65
2837	700	5849	5.25	43.90
2867	675	6524	5.07	48.97
2900	733	7257	5.50	54.47
2927	700	7957	5.25	59.72
2958	634	8591	4.76	64.48
3000	649	9240	4.87	69.35
3021	604	9844	4.53	73.89
3054	568	10412	4.26	78.15
3089	564	10976	4.23	82.38
3125	472	11448	3.54	85.93
3163	448	11896	3.36	89.29
3203	393	12289	2.95	92.24
3247	302	12591	2.27	94.51
3295	242	12833	1.82	96.32
3368	181	13014	1.36	97.68
3409	133	13147	1.00	98.68
3481	83	13230	0.62	99.30
3571	52	13282	0.39	99.69
3693	31	13313	0.23	99.92
3895	8	13321	0.06	99.98
4236	2	13323	0.02	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

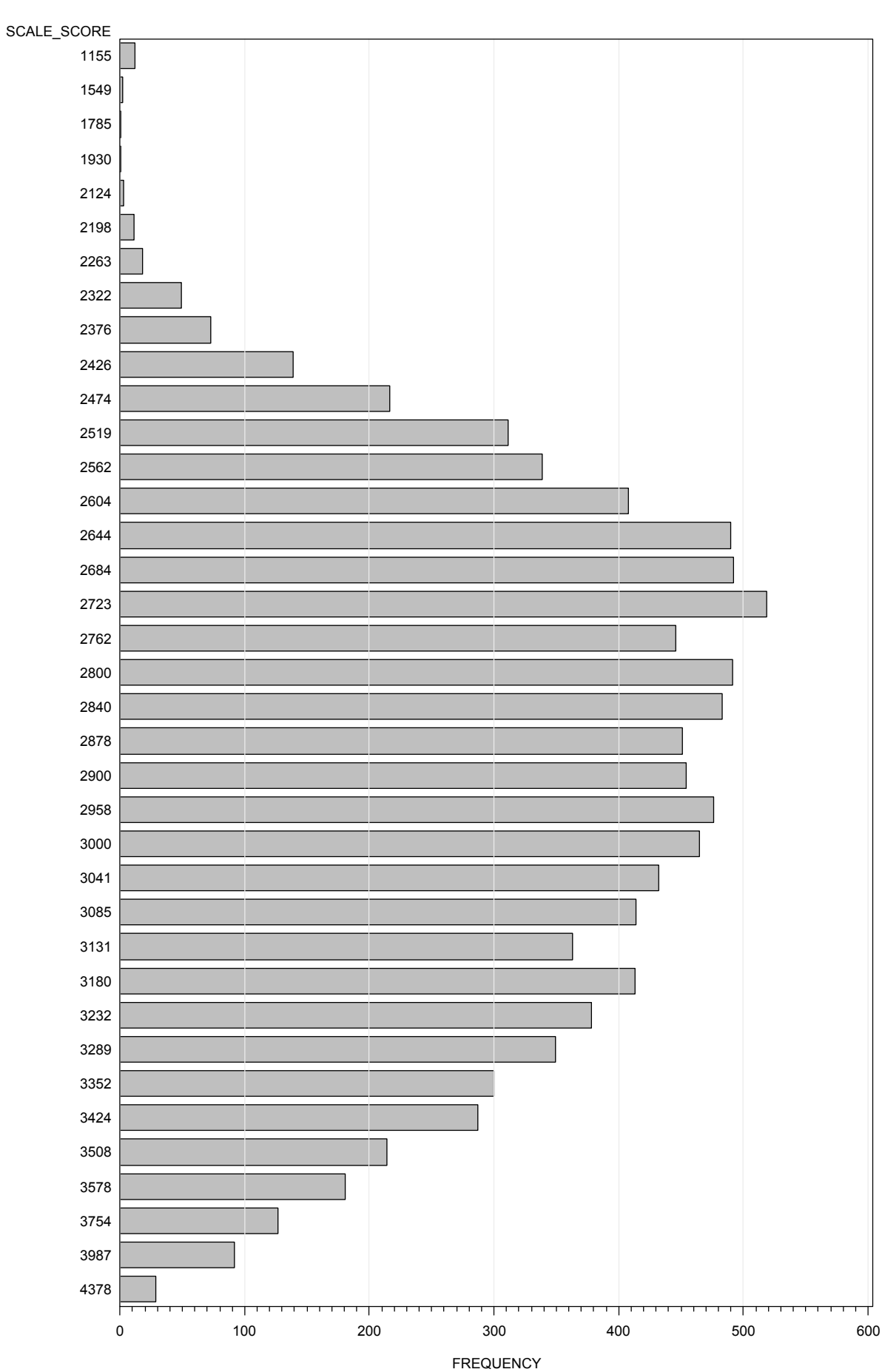
STAAR MODIFIED SPRING 2013
GRADE 8 READING
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1532	6	6	0.05	0.05
2026	1	7	0.01	0.06
2137	1	8	0.01	0.06
2218	1	9	0.01	0.07
2282	2	11	0.02	0.09
2337	6	17	0.05	0.13
2385	8	25	0.06	0.20
2427	23	48	0.18	0.38
2466	33	81	0.26	0.64
2502	82	163	0.65	1.29
2535	120	283	0.95	2.24
2567	189	472	1.50	3.73
2597	273	745	2.16	5.89
2626	343	1088	2.71	8.61
2654	422	1510	3.34	11.95
2682	473	1983	3.74	15.69
2708	491	2474	3.88	19.57
2735	558	3032	4.41	23.99
2760	493	3525	3.90	27.89
2786	548	4073	4.34	32.22
2800	533	4606	4.22	36.44
2837	534	5140	4.22	40.66
2862	551	5691	4.36	45.02
2900	572	6263	4.52	49.55
2914	601	6864	4.75	54.30
2941	562	7426	4.45	58.75
2968	549	7975	4.34	63.09
3000	536	8511	4.24	67.33
3025	540	9051	4.27	71.60
3055	524	9575	4.15	75.75
3087	536	10111	4.24	79.99
3121	497	10608	3.93	83.92
3156	433	11041	3.43	87.34
3195	425	11466	3.36	90.70
3238	354	11820	2.80	93.51
3285	294	12114	2.33	95.83
3340	244	12358	1.93	97.76
3436	135	12493	1.07	98.83
3486	88	12581	0.70	99.53
3596	39	12620	0.31	99.83
3779	19	12639	0.15	99.98
4090	2	12641	0.02	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

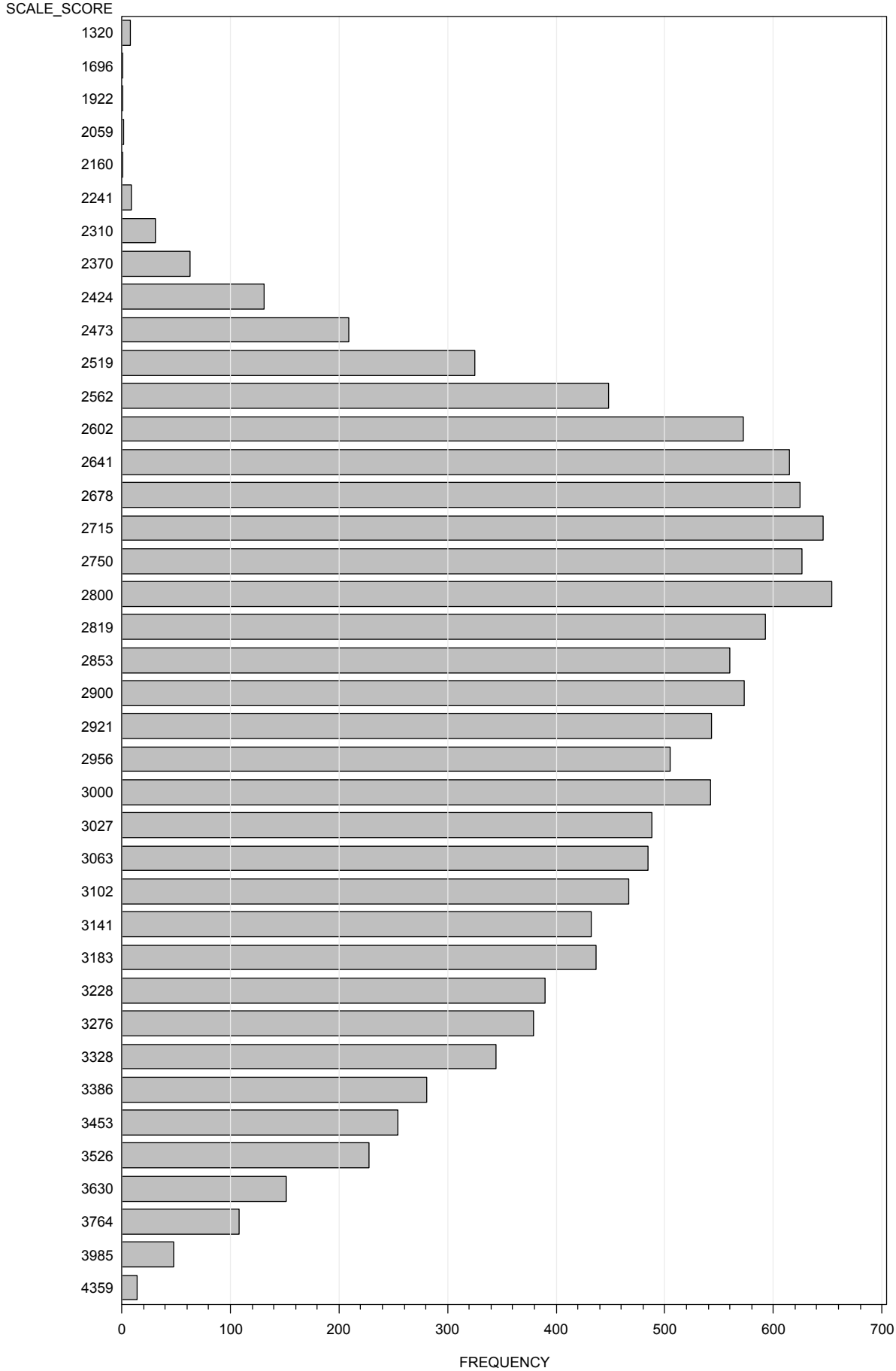
STAAR MODIFIED SPRING 2013
GRADE 3 MATHEMATICS
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1155	12	12	0.12	0.12
1549	2	14	0.02	0.14
1785	1	15	0.01	0.15
1930	1	16	0.01	0.16
2124	3	19	0.03	0.19
2198	11	30	0.11	0.30
2263	18	48	0.18	0.48
2322	49	97	0.49	0.98
2376	73	170	0.74	1.71
2426	139	309	1.40	3.11
2474	216	525	2.18	5.29
2519	311	836	3.13	8.42
2562	339	1175	3.41	11.83
2604	408	1583	4.11	15.94
2644	490	2073	4.94	20.88
2684	492	2565	4.96	25.83
2723	519	3084	5.23	31.06
2762	446	3530	4.49	35.55
2800	491	4021	4.95	40.50
2840	483	4504	4.86	45.36
2878	451	4955	4.54	49.90
2900	454	5409	4.57	54.48
2958	476	5885	4.79	59.27
3000	465	6350	4.68	63.95
3041	432	6782	4.35	68.30
3085	414	7196	4.17	72.47
3131	363	7559	3.66	76.13
3180	413	7972	4.16	80.29
3232	378	8350	3.81	84.10
3289	349	8699	3.51	87.61
3352	300	8999	3.02	90.63
3424	287	9286	2.89	93.52
3508	214	9500	2.16	95.68
3578	181	9681	1.82	97.50
3754	127	9808	1.28	98.78
3987	92	9900	0.93	99.71
4378	29	9929	0.29	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

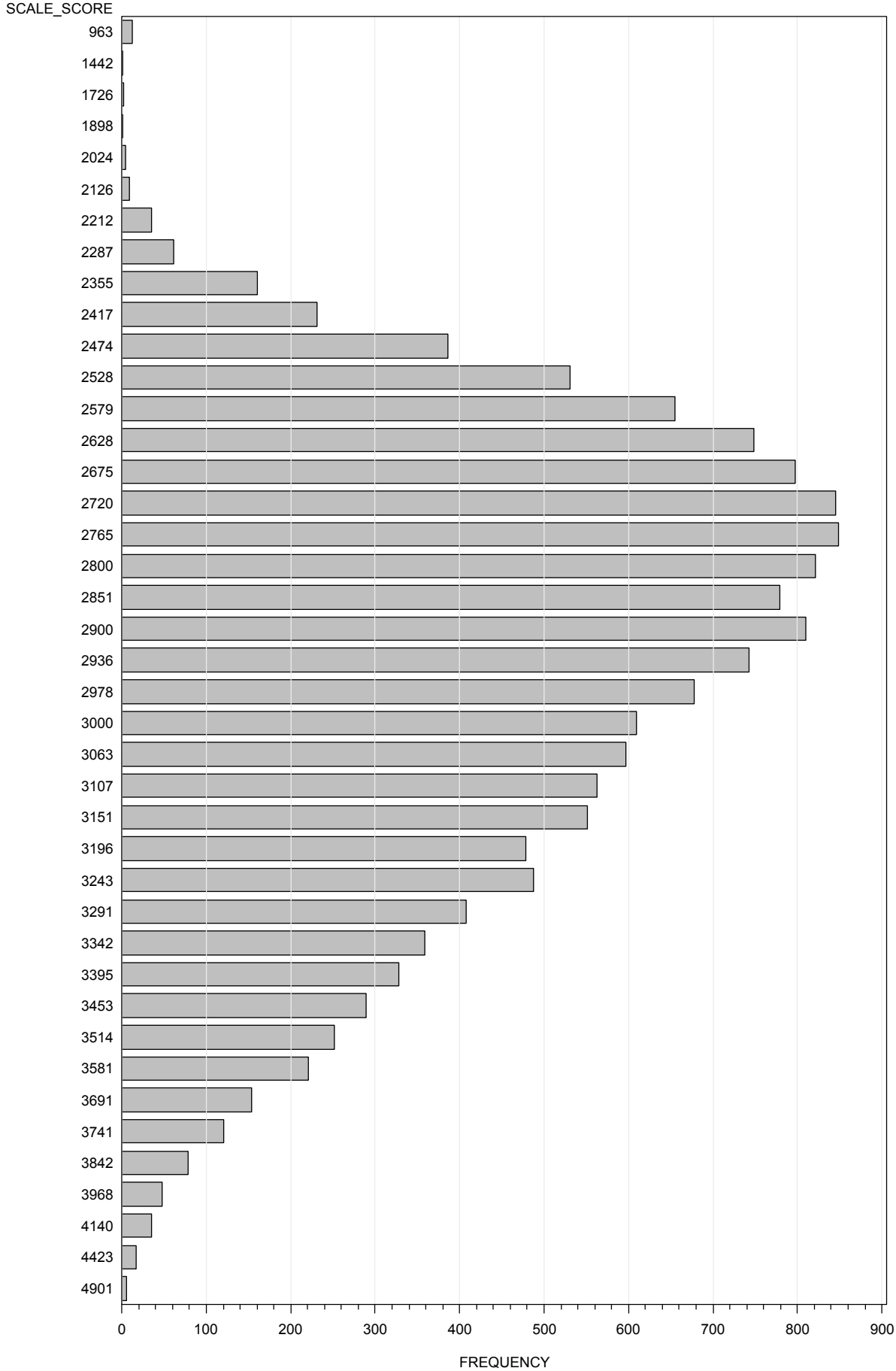
STAAR MODIFIED SPRING 2013
GRADE 4 MATHEMATICS
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1320	8	8	0.06	0.06
1696	1	9	0.01	0.07
1922	1	10	0.01	0.08
2059	2	12	0.02	0.09
2160	1	13	0.01	0.10
2241	9	22	0.07	0.17
2310	31	53	0.24	0.41
2370	63	116	0.49	0.91
2424	131	247	1.02	1.93
2473	209	456	1.63	3.57
2519	325	781	2.54	6.11
2562	448	1229	3.50	9.61
2602	572	1801	4.47	14.08
2641	615	2416	4.81	18.89
2678	625	3041	4.89	23.78
2715	646	3687	5.05	28.83
2750	626	4313	4.89	33.72
2800	654	4967	5.11	38.84
2819	593	5560	4.64	43.47
2853	560	6120	4.38	47.85
2900	573	6693	4.48	52.33
2921	543	7236	4.25	56.58
2956	505	7741	3.95	60.52
3000	542	8283	4.24	64.76
3027	488	8771	3.82	68.58
3063	485	9256	3.79	72.37
3102	467	9723	3.65	76.02
3141	432	10155	3.38	79.40
3183	437	10592	3.42	82.81
3228	390	10982	3.05	85.86
3276	379	11361	2.96	88.83
3328	345	11706	2.70	91.52
3386	281	11987	2.20	93.72
3453	254	12241	1.99	95.71
3526	228	12469	1.78	97.49
3630	151	12620	1.18	98.67
3764	108	12728	0.84	99.52
3985	48	12776	0.38	99.89
4359	14	12790	0.11	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

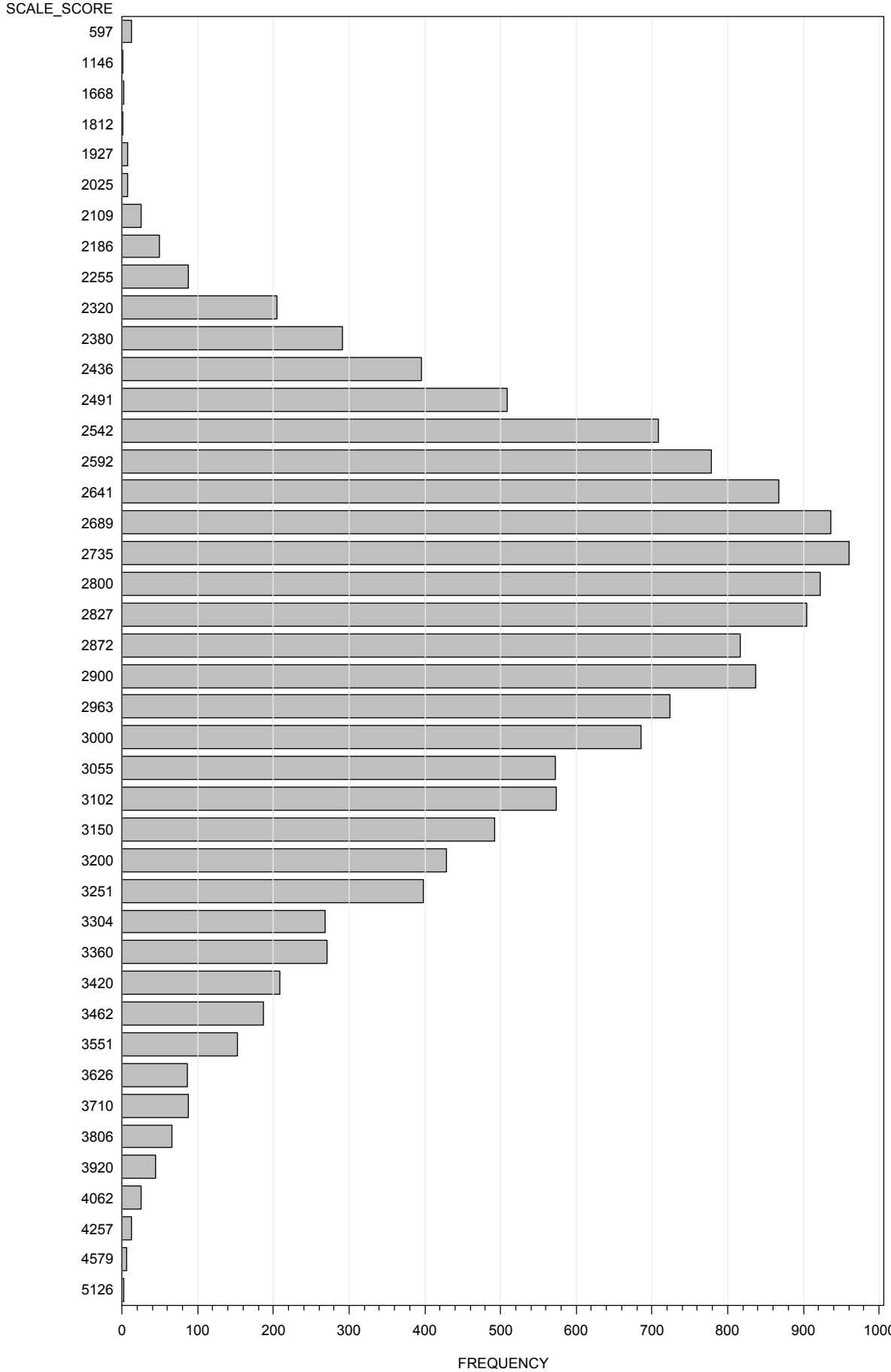
STAAR MODIFIED SPRING 2013
GRADE 5 MATHEMATICS
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
963	12	12	0.08	0.08
1442	1	13	0.01	0.09
1726	2	15	0.01	0.10
1898	1	16	0.01	0.11
2024	4	20	0.03	0.14
2126	9	29	0.06	0.20
2212	35	64	0.24	0.43
2287	61	125	0.41	0.85
2355	160	285	1.08	1.93
2417	231	516	1.57	3.50
2474	386	902	2.62	6.11
2528	531	1433	3.60	9.71
2579	655	2088	4.44	14.15
2628	748	2836	5.07	19.22
2675	797	3633	5.40	24.62
2720	845	4478	5.73	30.34
2765	849	5327	5.75	36.09
2800	821	6148	5.56	41.66
2851	779	6927	5.28	46.93
2900	810	7737	5.49	52.42
2936	743	8480	5.03	57.46
2978	678	9158	4.59	62.05
3000	609	9767	4.13	66.18
3063	597	10364	4.04	70.22
3107	563	10927	3.81	74.04
3151	551	11478	3.73	77.77
3196	478	11956	3.24	81.01
3243	488	12444	3.31	84.31
3291	408	12852	2.76	87.08
3342	359	13211	2.43	89.51
3395	328	13539	2.22	91.73
3453	289	13828	1.96	93.69
3514	252	14080	1.71	95.40
3581	221	14301	1.50	96.90
3691	154	14455	1.04	97.94
3741	121	14576	0.82	98.76
3842	78	14654	0.53	99.29
3968	48	14702	0.33	99.61
4140	35	14737	0.24	99.85
4423	17	14754	0.12	99.97
4901	5	14759	0.03	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

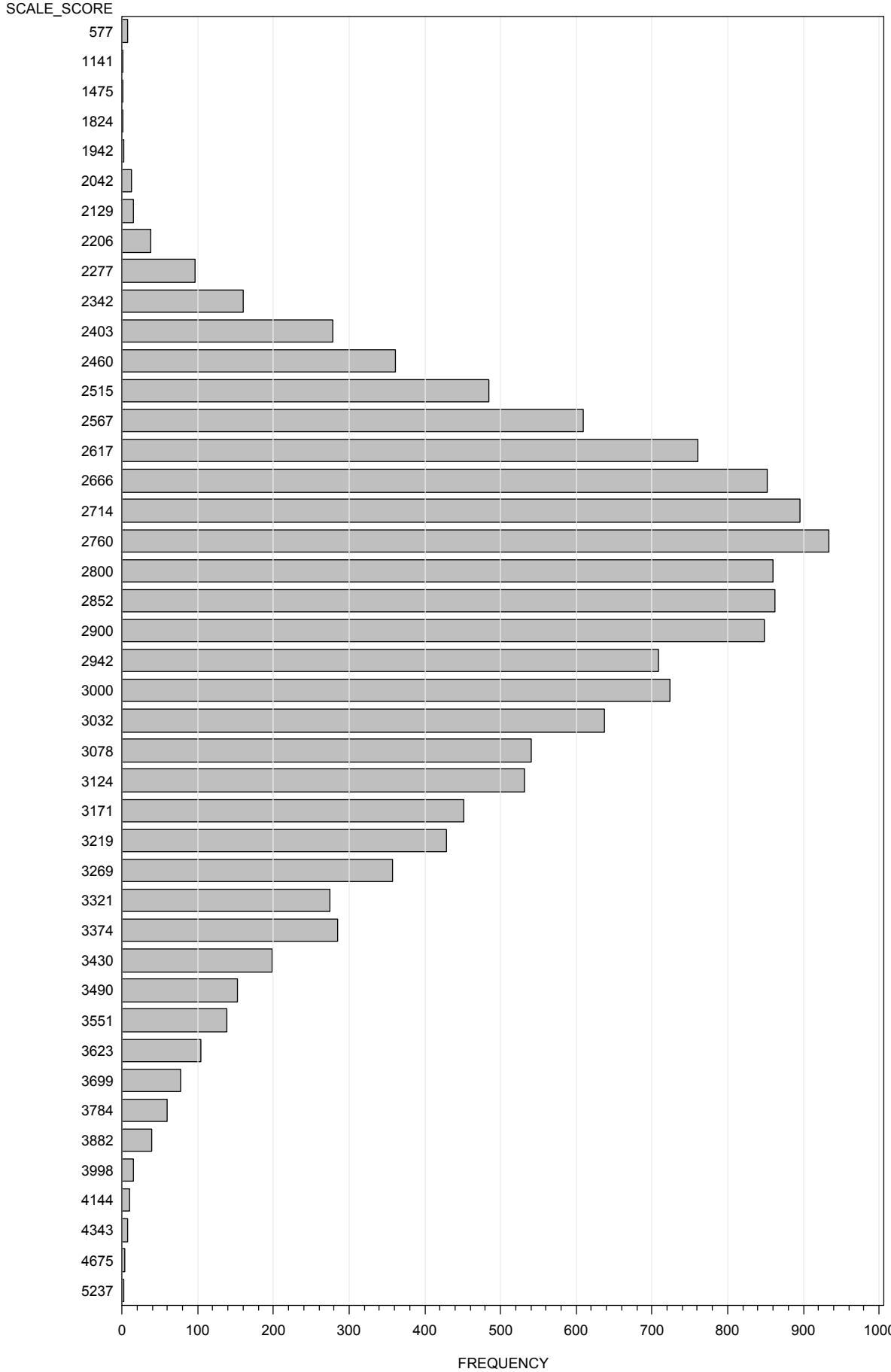
STAAR MODIFIED SPRING 2013
GRADE 6 MATHEMATICS
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
597	12	12	0.08	0.08
1146	1	13	0.01	0.09
1668	2	15	0.01	0.10
1812	1	16	0.01	0.11
1927	7	23	0.05	0.16
2025	7	30	0.05	0.21
2109	25	55	0.17	0.38
2186	49	104	0.34	0.71
2255	87	191	0.60	1.31
2320	204	395	1.40	2.70
2380	291	686	1.99	4.70
2436	396	1082	2.71	7.41
2491	509	1591	3.48	10.89
2542	708	2299	4.85	15.73
2592	779	3078	5.33	21.07
2641	867	3945	5.93	27.00
2689	936	4881	6.41	33.41
2735	960	5841	6.57	39.98
2800	922	6763	6.31	46.29
2827	905	7668	6.19	52.48
2872	817	8485	5.59	58.07
2900	837	9322	5.73	63.80
2963	724	10046	4.96	68.76
3000	686	10732	4.70	73.45
3055	572	11304	3.91	77.37
3102	573	11877	3.92	81.29
3150	492	12369	3.37	84.66
3200	429	12798	2.94	87.59
3251	398	13196	2.72	90.32
3304	268	13464	1.83	92.15
3360	271	13735	1.85	94.00
3420	208	13943	1.42	95.43
3462	187	14130	1.28	96.71
3551	152	14282	1.04	97.75
3626	86	14368	0.59	98.34
3710	88	14456	0.60	98.94
3806	66	14522	0.45	99.39
3920	44	14566	0.30	99.69
4062	25	14591	0.17	99.86
4257	12	14603	0.08	99.95
4579	6	14609	0.04	99.99
5126	2	14611	0.01	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

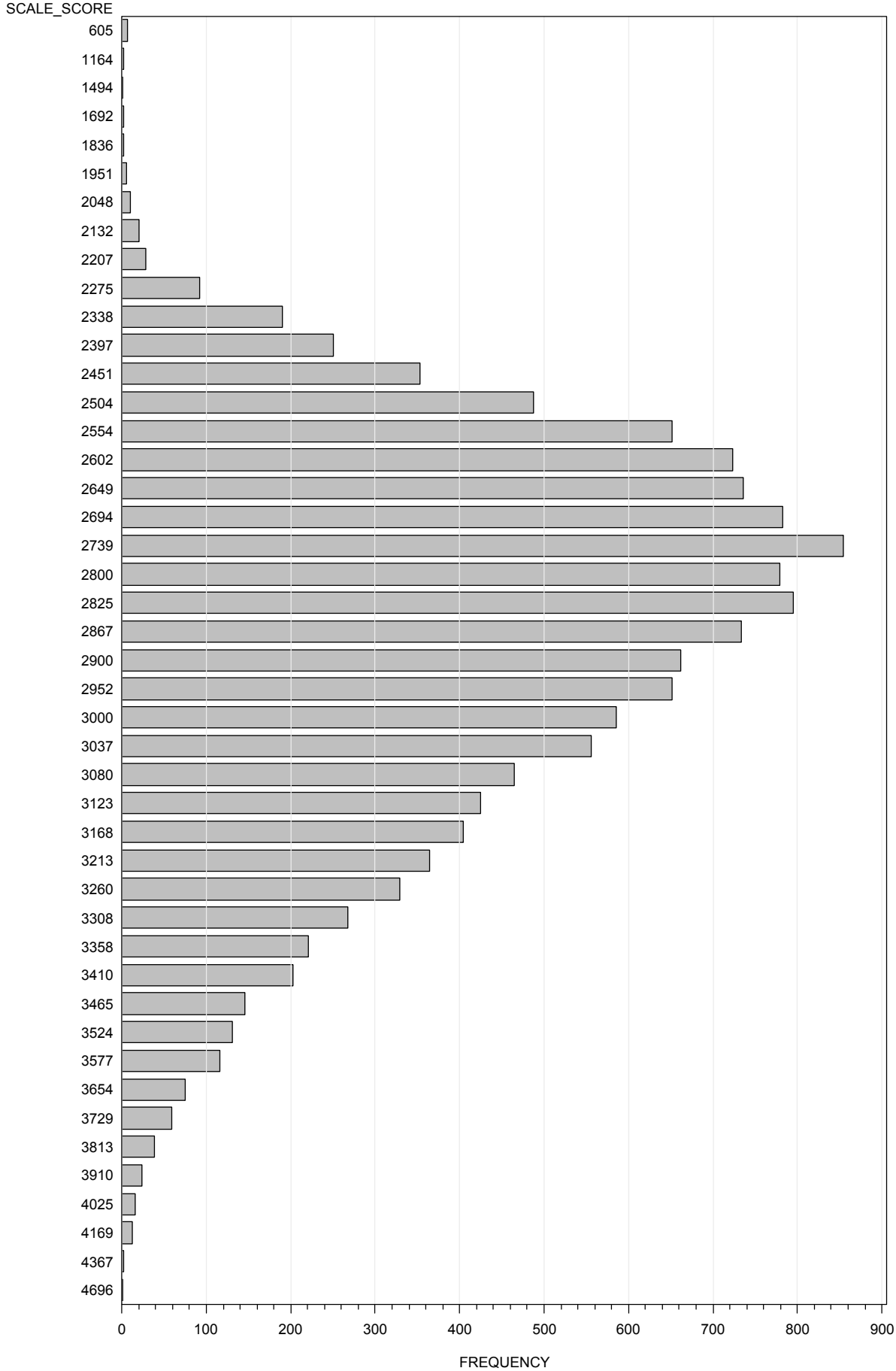
STAAR MODIFIED SPRING 2013
GRADE 7 MATHEMATICS
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
577	7	7	0.05	0.05
1141	1	8	0.01	0.06
1475	1	9	0.01	0.07
1824	1	10	0.01	0.07
1942	2	12	0.01	0.09
2042	12	24	0.09	0.17
2129	15	39	0.11	0.28
2206	38	77	0.27	0.56
2277	96	173	0.69	1.25
2342	160	333	1.16	2.41
2403	279	612	2.02	4.43
2460	361	973	2.61	7.04
2515	484	1457	3.50	10.54
2567	609	2066	4.41	14.95
2617	761	2827	5.51	20.45
2666	852	3679	6.16	26.62
2714	896	4575	6.48	33.10
2760	934	5509	6.76	39.85
2800	860	6369	6.22	46.08
2852	862	7231	6.24	52.31
2900	848	8079	6.13	58.45
2942	709	8788	5.13	63.58
3000	724	9512	5.24	68.81
3032	637	10149	4.61	73.42
3078	541	10690	3.91	77.33
3124	531	11221	3.84	81.18
3171	452	11673	3.27	84.45
3219	428	12101	3.10	87.54
3269	357	12458	2.58	90.13
3321	274	12732	1.98	92.11
3374	285	13017	2.06	94.17
3430	198	13215	1.43	95.60
3490	153	13368	1.11	96.71
3551	138	13506	1.00	97.71
3623	104	13610	0.75	98.46
3699	77	13687	0.56	99.02
3784	60	13747	0.43	99.45
3882	39	13786	0.28	99.73
3998	15	13801	0.11	99.84
4144	10	13811	0.07	99.91
4343	7	13818	0.05	99.96
4675	3	13821	0.02	99.99
5237	2	13823	0.01	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

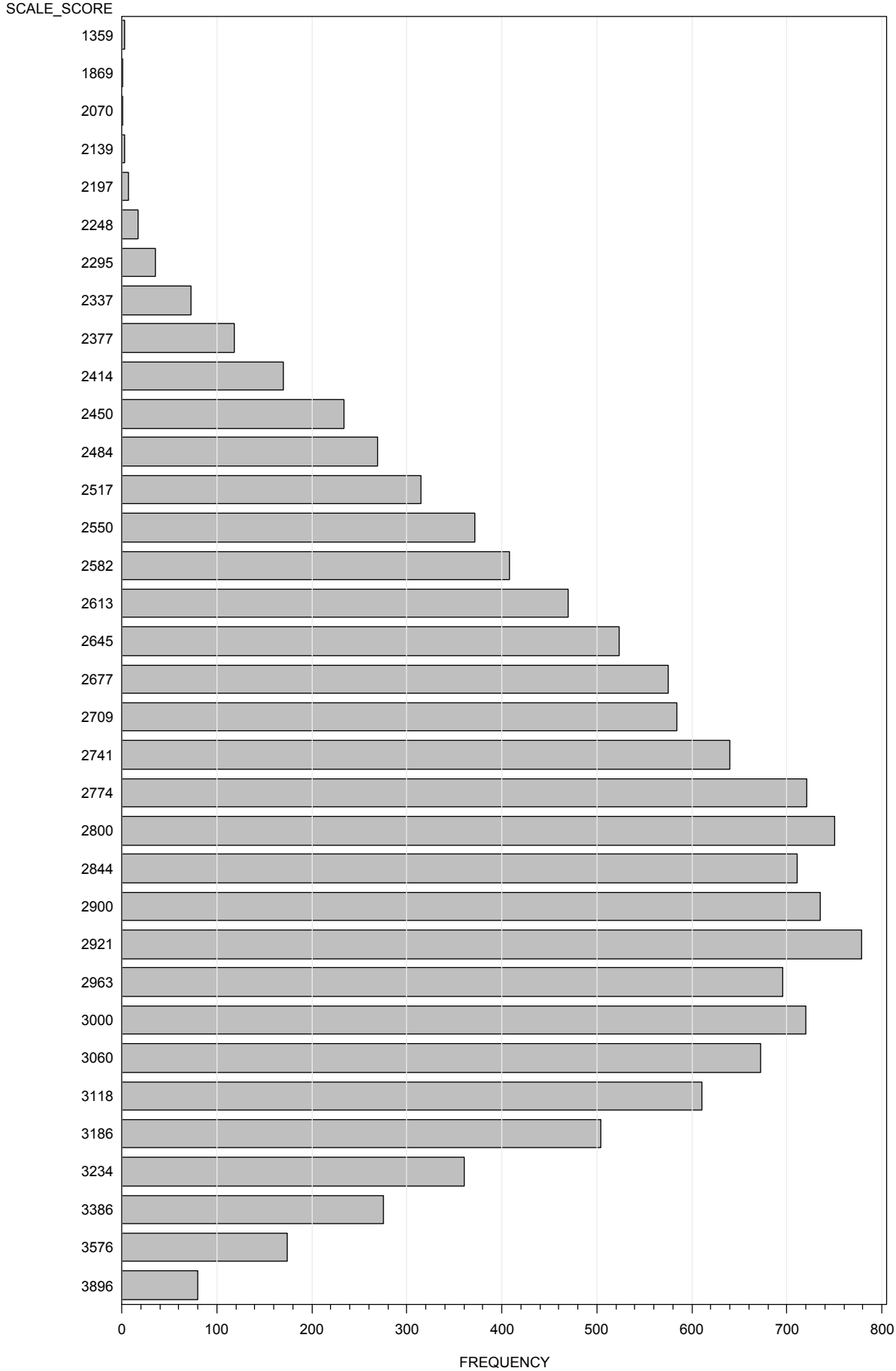
STAAR MODIFIED SPRING 2013
GRADE 8 MATHEMATICS
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
605	7	7	0.05	0.05
1164	2	9	0.02	0.07
1494	1	10	0.01	0.08
1692	2	12	0.02	0.09
1836	2	14	0.02	0.11
1951	5	19	0.04	0.14
2048	10	29	0.08	0.22
2132	20	49	0.15	0.37
2207	28	77	0.21	0.58
2275	92	169	0.69	1.27
2338	190	359	1.43	2.71
2397	251	610	1.89	4.60
2451	353	963	2.66	7.26
2504	488	1451	3.68	10.94
2554	652	2103	4.92	15.86
2602	723	2826	5.45	21.31
2649	736	3562	5.55	26.86
2694	783	4345	5.90	32.77
2739	854	5199	6.44	39.21
2800	779	5978	5.87	45.08
2825	795	6773	6.00	51.07
2867	734	7507	5.54	56.61
2900	662	8169	4.99	61.60
2952	652	8821	4.92	66.52
3000	585	9406	4.41	70.93
3037	556	9962	4.19	75.12
3080	465	10427	3.51	78.63
3123	425	10852	3.20	81.83
3168	404	11256	3.05	84.88
3213	364	11620	2.74	87.63
3260	329	11949	2.48	90.11
3308	267	12216	2.01	92.12
3358	221	12437	1.67	93.79
3410	203	12640	1.53	95.32
3465	146	12786	1.10	96.42
3524	131	12917	0.99	97.41
3577	116	13033	0.87	98.28
3654	75	13108	0.57	98.85
3729	59	13167	0.44	99.29
3813	39	13206	0.29	99.59
3910	24	13230	0.18	99.77
4025	16	13246	0.12	99.89
4169	12	13258	0.09	99.98
4367	2	13260	0.02	99.99
4696	1	13261	0.01	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

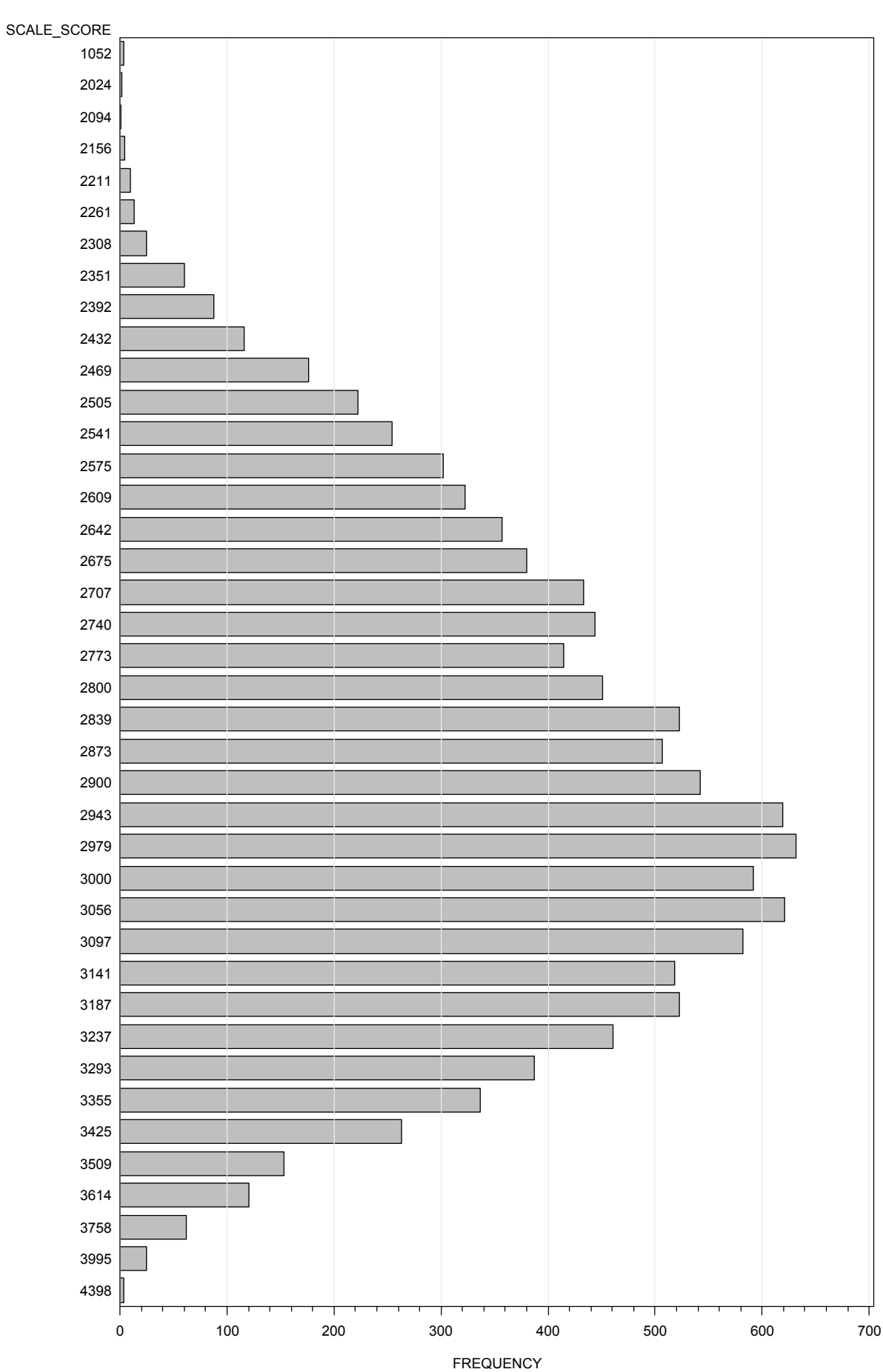
STAAR MODIFIED SPRING 2013
GRADE 5 SCIENCE
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1359	3	3	0.02	0.02
1869	1	4	0.01	0.03
2070	1	5	0.01	0.04
2139	3	8	0.02	0.06
2197	7	15	0.06	0.12
2248	17	32	0.13	0.25
2295	35	67	0.28	0.53
2337	73	140	0.58	1.11
2377	118	258	0.94	2.05
2414	170	428	1.35	3.40
2450	234	662	1.86	5.25
2484	269	931	2.13	7.39
2517	315	1246	2.50	9.88
2550	371	1617	2.94	12.83
2582	408	2025	3.24	16.07
2613	470	2495	3.73	19.79
2645	523	3018	4.15	23.94
2677	575	3593	4.56	28.50
2709	584	4177	4.63	33.14
2741	640	4817	5.08	38.21
2774	721	5538	5.72	43.93
2800	750	6288	5.95	49.88
2844	711	6999	5.64	55.53
2900	735	7734	5.83	61.36
2921	779	8513	6.18	67.54
2963	696	9209	5.52	73.06
3000	720	9929	5.71	78.77
3060	672	10601	5.33	84.10
3118	611	11212	4.85	88.95
3186	504	11716	4.00	92.95
3234	360	12076	2.86	95.80
3386	275	12351	2.18	97.98
3576	174	12525	1.38	99.37
3896	80	12605	0.63	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

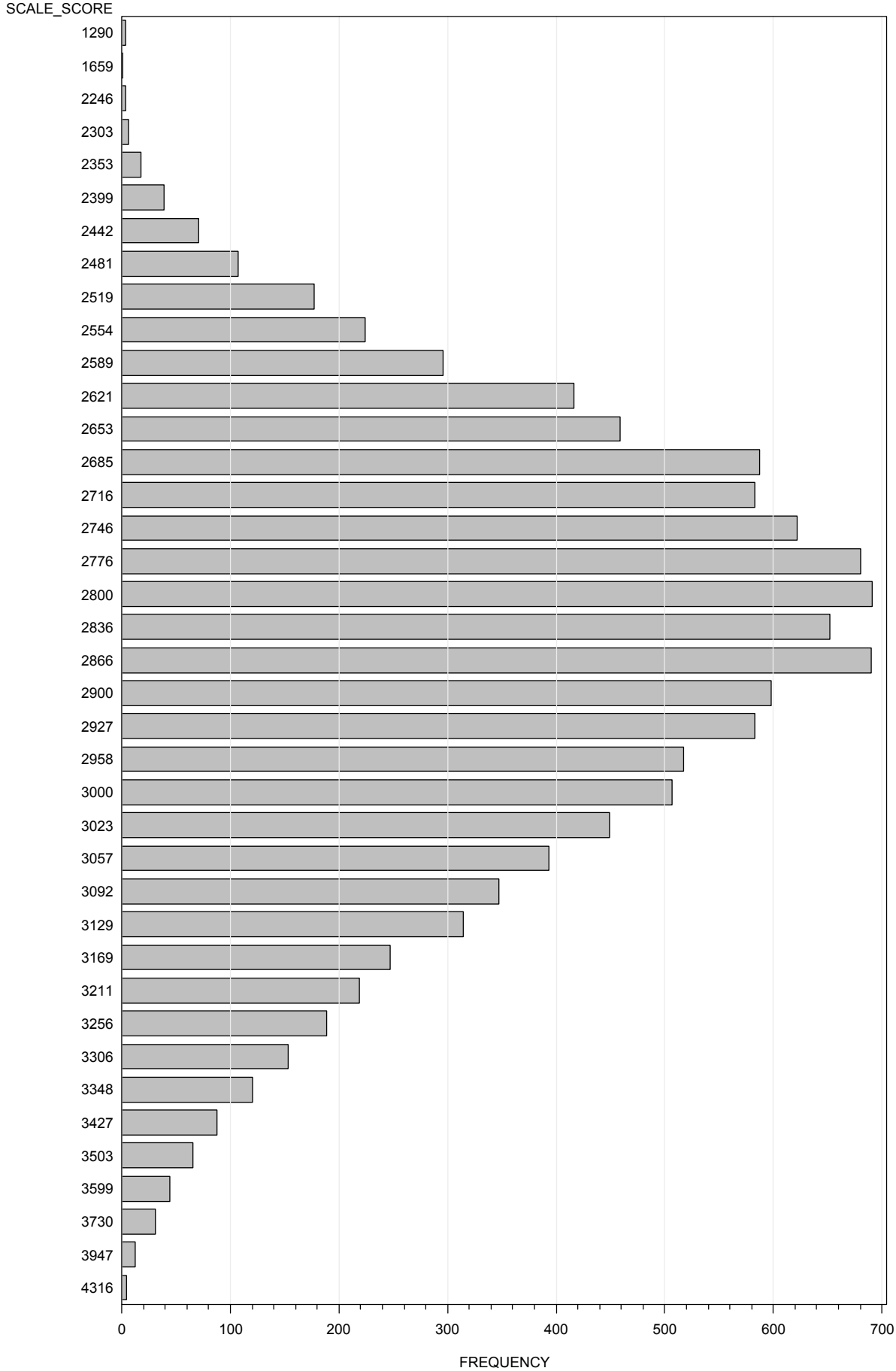
STAAR MODIFIED SPRING 2013
GRADE 8 SCIENCE
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1052	3	3	0.03	0.03
2024	2	5	0.02	0.04
2094	1	6	0.01	0.05
2156	4	10	0.03	0.09
2211	10	20	0.09	0.17
2261	13	33	0.11	0.29
2308	25	58	0.22	0.50
2351	60	118	0.52	1.02
2392	88	206	0.76	1.78
2432	116	322	1.00	2.79
2469	176	498	1.52	4.31
2505	222	720	1.92	6.23
2541	254	974	2.20	8.43
2575	302	1276	2.62	11.05
2609	322	1598	2.79	13.84
2642	357	1955	3.09	16.93
2675	380	2335	3.29	20.22
2707	433	2768	3.75	23.97
2740	444	3212	3.84	27.81
2773	415	3627	3.59	31.41
2800	451	4078	3.91	35.31
2839	523	4601	4.53	39.84
2873	507	5108	4.39	44.23
2900	542	5650	4.69	48.93
2943	619	6269	5.36	54.29
2979	632	6901	5.47	59.76
3000	592	7493	5.13	64.89
3056	621	8114	5.38	70.26
3097	582	8696	5.04	75.30
3141	518	9214	4.49	79.79
3187	523	9737	4.53	84.32
3237	461	10198	3.99	88.31
3293	387	10585	3.35	91.66
3355	337	10922	2.92	94.58
3425	263	11185	2.28	96.86
3509	153	11338	1.32	98.18
3614	120	11458	1.04	99.22
3758	62	11520	0.54	99.76
3995	25	11545	0.22	99.97
4398	3	11548	0.03	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

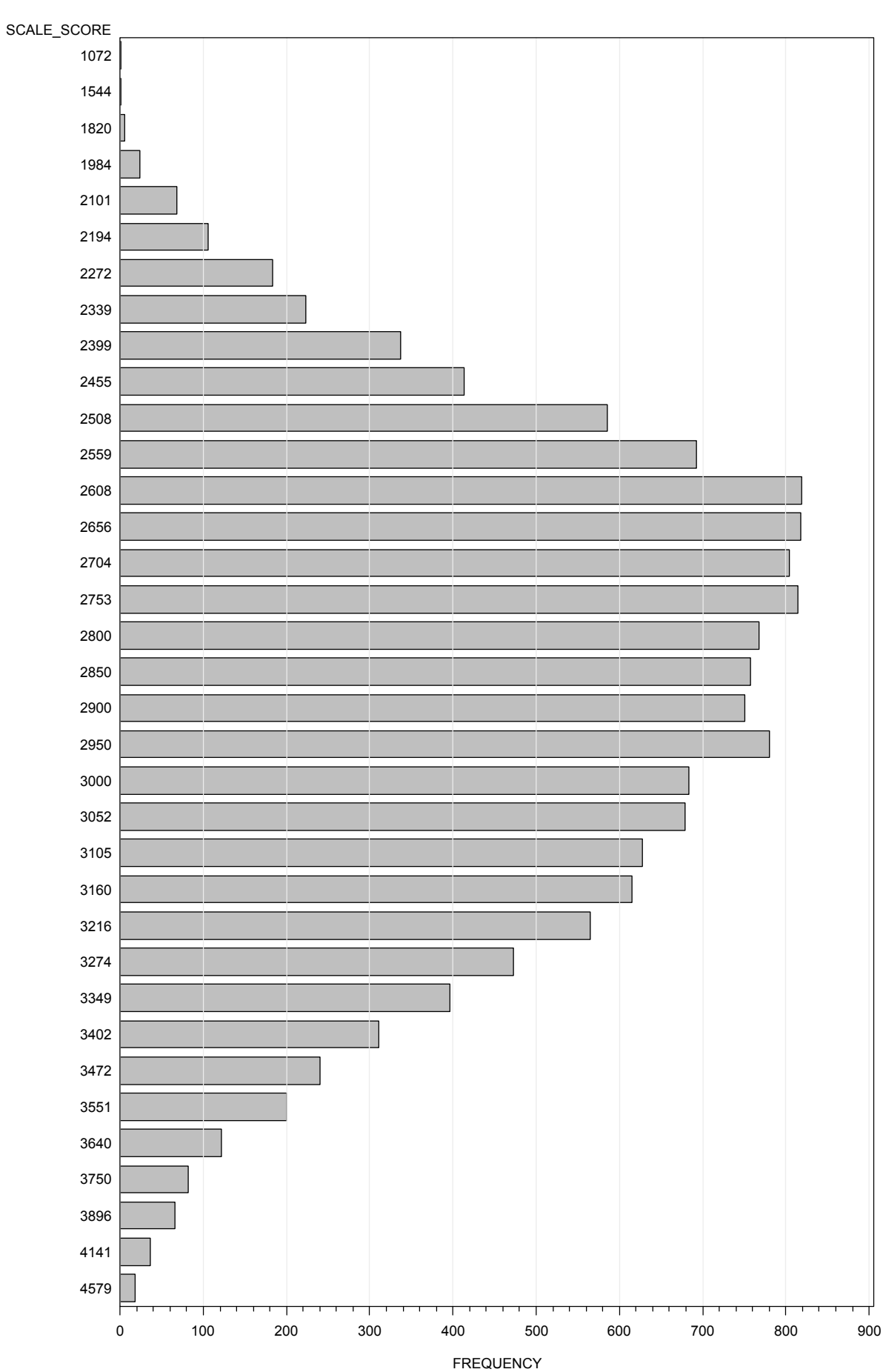
STAAR MODIFIED SPRING 2013
GRADE 8 SOCIAL STUDIES
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1290	3	3	0.03	0.03
1659	1	4	0.01	0.04
2246	3	7	0.03	0.06
2303	6	13	0.05	0.12
2353	18	31	0.16	0.28
2399	39	70	0.35	0.62
2442	71	141	0.63	1.26
2481	107	248	0.95	2.21
2519	177	425	1.58	3.79
2554	224	649	2.00	5.79
2589	296	945	2.64	8.43
2621	416	1361	3.71	12.15
2653	459	1820	4.10	16.24
2685	587	2407	5.24	21.48
2716	583	2990	5.20	26.68
2746	622	3612	5.55	32.24
2776	680	4292	6.07	38.30
2800	691	4983	6.17	44.47
2836	652	5635	5.82	50.29
2866	690	6325	6.16	56.45
2900	598	6923	5.34	61.78
2927	583	7506	5.20	66.99
2958	517	8023	4.61	71.60
3000	507	8530	4.52	76.13
3023	449	8979	4.01	80.13
3057	393	9372	3.51	83.64
3092	347	9719	3.10	86.74
3129	314	10033	2.80	89.54
3169	247	10280	2.20	91.74
3211	219	10499	1.95	93.70
3256	189	10688	1.69	95.39
3306	153	10841	1.37	96.75
3348	120	10961	1.07	97.82
3427	88	11049	0.79	98.61
3503	65	11114	0.58	99.19
3599	44	11158	0.39	99.58
3730	31	11189	0.28	99.86
3947	12	11201	0.11	99.96
4316	4	11205	0.04	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

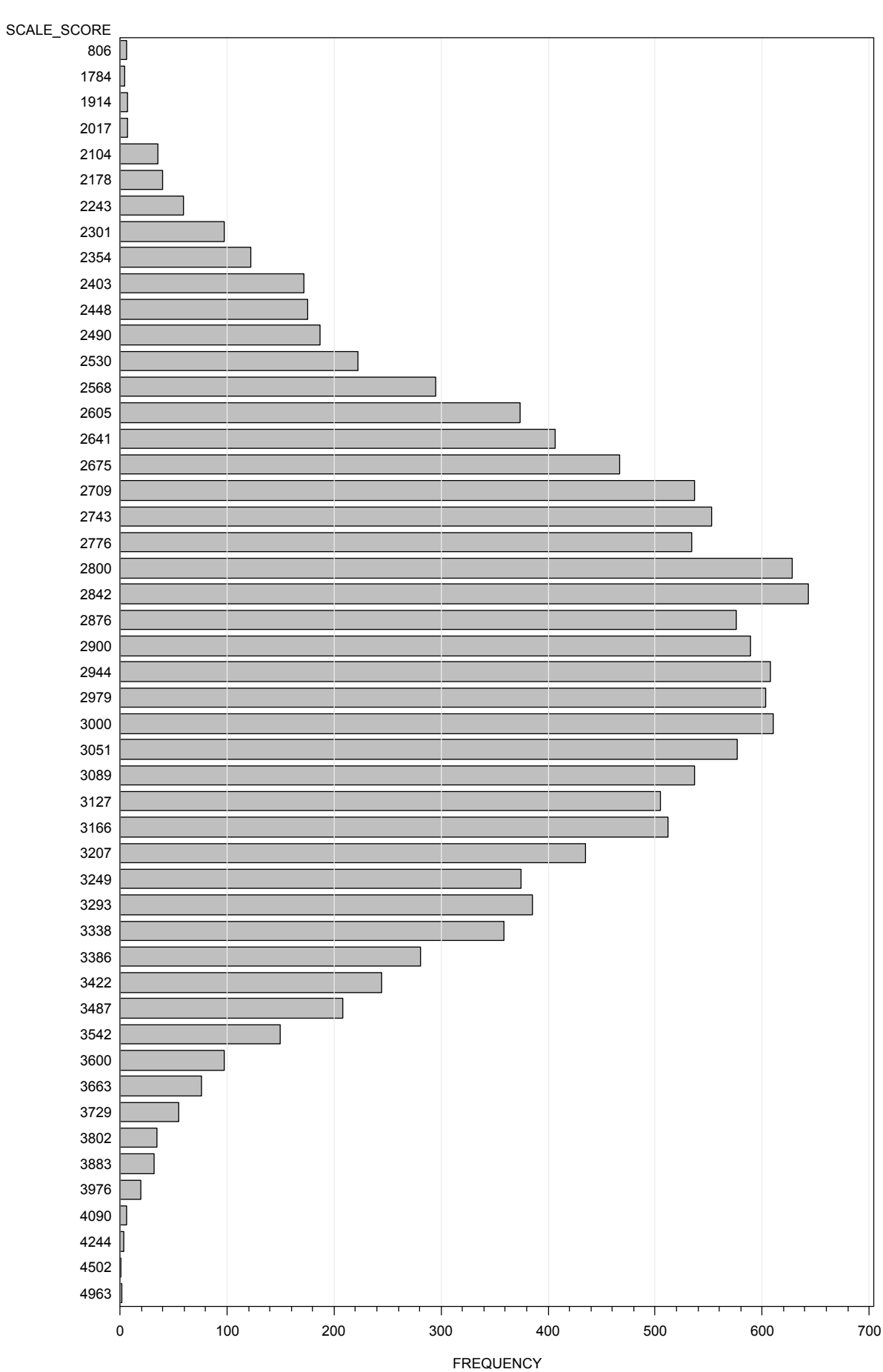
STAAR MODIFIED SPRING 2013
GRADE 4 WRITING
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1072	1	1	0.01	0.01
1544	1	2	0.01	0.01
1820	5	7	0.04	0.05
1984	24	31	0.17	0.22
2101	68	99	0.48	0.70
2194	106	205	0.75	1.46
2272	183	388	1.30	2.76
2339	223	611	1.59	4.34
2399	337	948	2.40	6.74
2455	413	1361	2.94	9.68
2508	585	1946	4.16	13.84
2559	692	2638	4.92	18.76
2608	819	3457	5.82	24.58
2656	818	4275	5.82	30.40
2704	804	5079	5.72	36.12
2753	814	5893	5.79	41.90
2800	768	6661	5.46	47.37
2850	757	7418	5.38	52.75
2900	751	8169	5.34	58.09
2950	780	8949	5.55	63.64
3000	683	9632	4.86	68.49
3052	679	10311	4.83	73.32
3105	628	10939	4.47	77.79
3160	615	11554	4.37	82.16
3216	565	12119	4.02	86.18
3274	473	12592	3.36	89.54
3349	396	12988	2.82	92.36
3402	311	13299	2.21	94.57
3472	240	13539	1.71	96.27
3551	200	13739	1.42	97.70
3640	122	13861	0.87	98.56
3750	82	13943	0.58	99.15
3896	66	14009	0.47	99.62
4141	36	14045	0.26	99.87
4579	18	14063	0.13	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

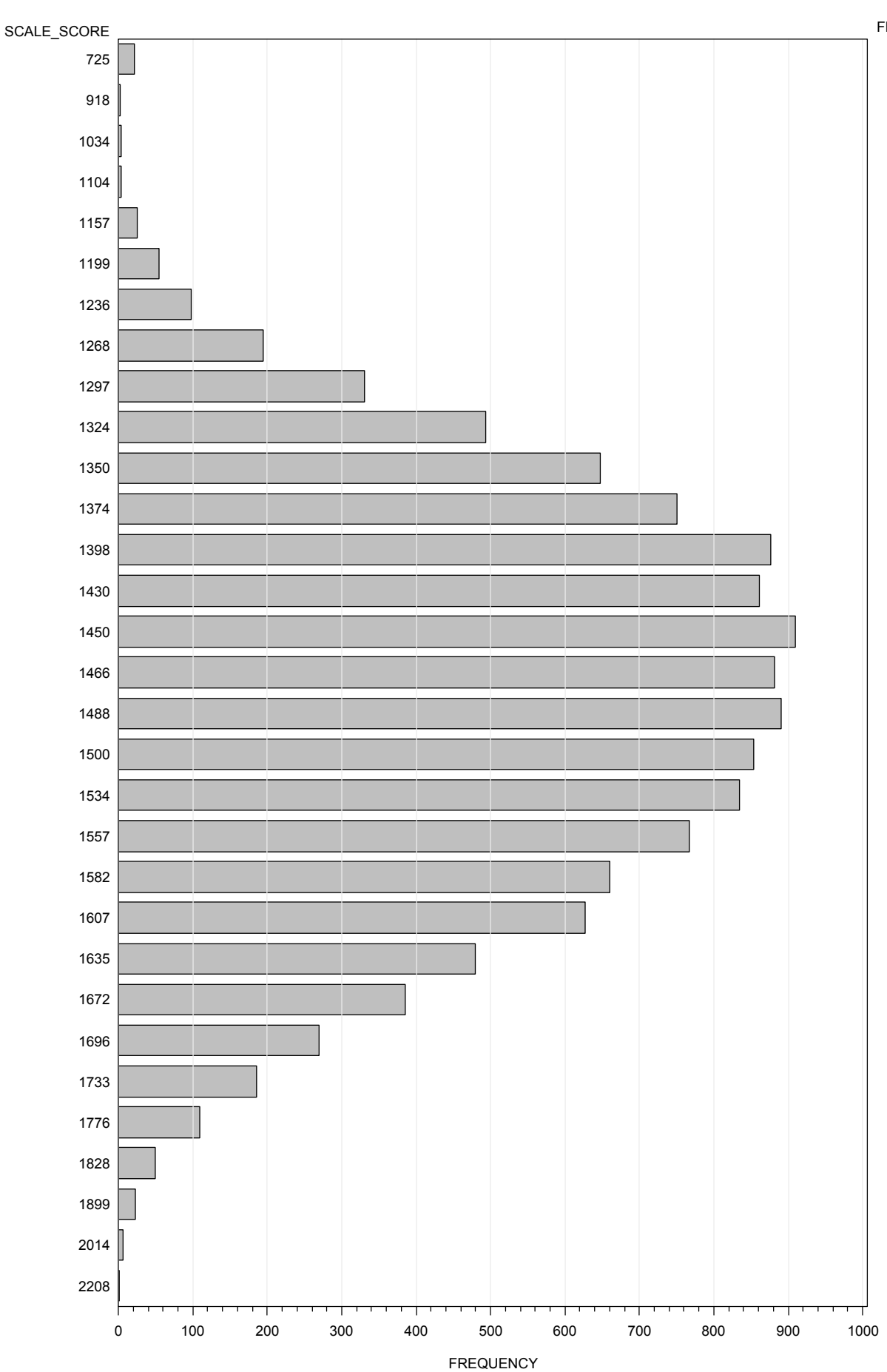
STAAR MODIFIED SPRING 2013
GRADE 7 WRITING
ALL STUDENTS - EXCLUDING BRAILLE



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
806	6	6	0.04	0.04
1784	4	10	0.03	0.07
1914	7	17	0.05	0.13
2017	7	24	0.05	0.18
2104	35	59	0.26	0.44
2178	40	99	0.30	0.74
2243	59	158	0.44	1.17
2301	97	255	0.72	1.90
2354	122	377	0.91	2.80
2403	172	549	1.28	4.08
2448	175	724	1.30	5.38
2490	187	911	1.39	6.77
2530	222	1133	1.65	8.42
2568	295	1428	2.19	10.62
2605	374	1802	2.78	13.40
2641	407	2209	3.03	16.42
2675	467	2676	3.47	19.90
2709	537	3213	3.99	23.89
2743	553	3766	4.11	28.00
2776	534	4300	3.97	31.97
2800	628	4928	4.67	36.64
2842	643	5571	4.78	41.42
2876	576	6147	4.28	45.70
2900	589	6736	4.38	50.08
2944	608	7344	4.52	54.60
2979	603	7947	4.48	59.09
3000	610	8557	4.54	63.62
3051	577	9134	4.29	67.91
3089	537	9671	3.99	71.90
3127	505	10176	3.75	75.66
3166	512	10688	3.81	79.46
3207	435	11123	3.23	82.70
3249	375	11498	2.79	85.49
3293	385	11883	2.86	88.35
3338	359	12242	2.67	91.02
3386	281	12523	2.09	93.11
3422	244	12767	1.81	94.92
3487	208	12975	1.55	96.47
3542	150	13125	1.12	97.58
3600	97	13222	0.72	98.30
3663	76	13298	0.57	98.87
3729	55	13353	0.41	99.28
3802	34	13387	0.25	99.53
3883	32	13419	0.24	99.77
3976	19	13438	0.14	99.91
4090	6	13444	0.04	99.96
4244	3	13447	0.02	99.98
4502	1	13448	0.01	99.99
4963	2	13450	0.01	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

STAAR MODIFIED EOC SPRING 2013
ENGLISH I - READING
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
725	21	21	0.17	0.17
918	2	23	0.02	0.19
1034	3	26	0.02	0.21
1104	4	30	0.03	0.24
1157	25	55	0.20	0.45
1199	55	110	0.45	0.89
1236	98	208	0.80	1.69
1268	195	403	1.59	3.28
1297	331	734	2.69	5.97
1324	494	1228	4.02	9.99
1350	647	1875	5.26	15.25
1374	751	2626	6.11	21.36
1398	877	3503	7.13	28.49
1430	861	4364	7.00	35.50
1450	909	5273	7.39	42.89
1466	881	6154	7.17	50.06
1488	890	7044	7.24	57.30
1500	854	7898	6.95	64.24
1534	834	8732	6.78	71.03
1557	767	9499	6.24	77.27
1582	660	10159	5.37	82.63
1607	627	10786	5.10	87.73
1635	480	11266	3.90	91.64
1672	385	11651	3.13	94.77
1696	269	11920	2.19	96.96
1733	186	12106	1.51	98.47
1776	109	12215	0.89	99.36
1828	49	12264	0.40	99.76
1899	23	12287	0.19	99.94
2014	6	12293	0.05	99.99
2208	1	12294	0.01	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

STAAR MODIFIED EOC SPRING 2013
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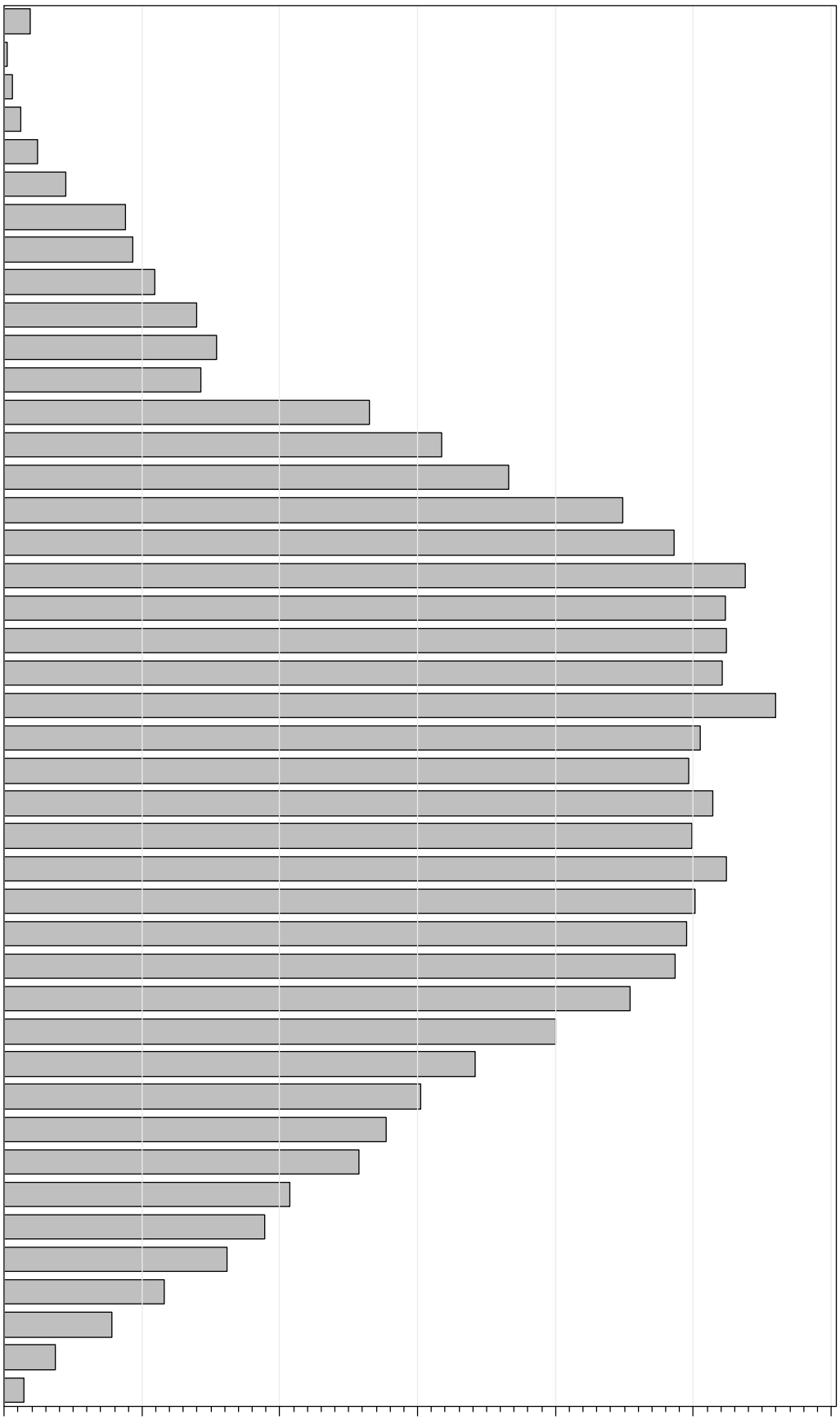

SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
824	19	19	0.16	0.16
978	2	21	0.02	0.17
1069	6	27	0.05	0.22
1123	12	39	0.10	0.32
1162	24	63	0.20	0.51
1192	45	108	0.37	0.88
1217	88	196	0.72	1.60
1238	93	289	0.76	2.36
1257	109	398	0.89	3.25
1274	140	538	1.14	4.40
1289	154	692	1.26	5.65
1304	143	835	1.17	6.82
1318	265	1100	2.16	8.99
1331	317	1417	2.59	11.58
1344	366	1783	2.99	14.57
1357	449	2232	3.67	18.23
1369	486	2718	3.97	22.20
1382	538	3256	4.40	26.60
1394	523	3779	4.27	30.87
1407	524	4303	4.28	35.15
1419	521	4824	4.26	39.41
1430	560	5384	4.57	43.98
1450	505	5889	4.13	48.11
1457	497	6386	4.06	52.17
1470	514	6900	4.20	56.37
1483	499	7399	4.08	60.44
1500	524	7923	4.28	64.73
1509	501	8424	4.09	68.82
1522	495	8919	4.04	72.86
1536	487	9406	3.98	76.84
1551	454	9860	3.71	80.55
1566	400	10260	3.27	83.82
1581	342	10602	2.79	86.61
1598	302	10904	2.47	89.08
1612	277	11181	2.26	91.34
1635	257	11438	2.10	93.44
1657	207	11645	1.69	95.13
1682	189	11834	1.54	96.68
1711	162	11996	1.32	98.00
1747	116	12112	0.95	98.95
1797	78	12190	0.64	99.58
1882	37	12227	0.30	99.89
2030	14	12241	0.11	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

STAAR MODIFIED EOC SPRING 2013
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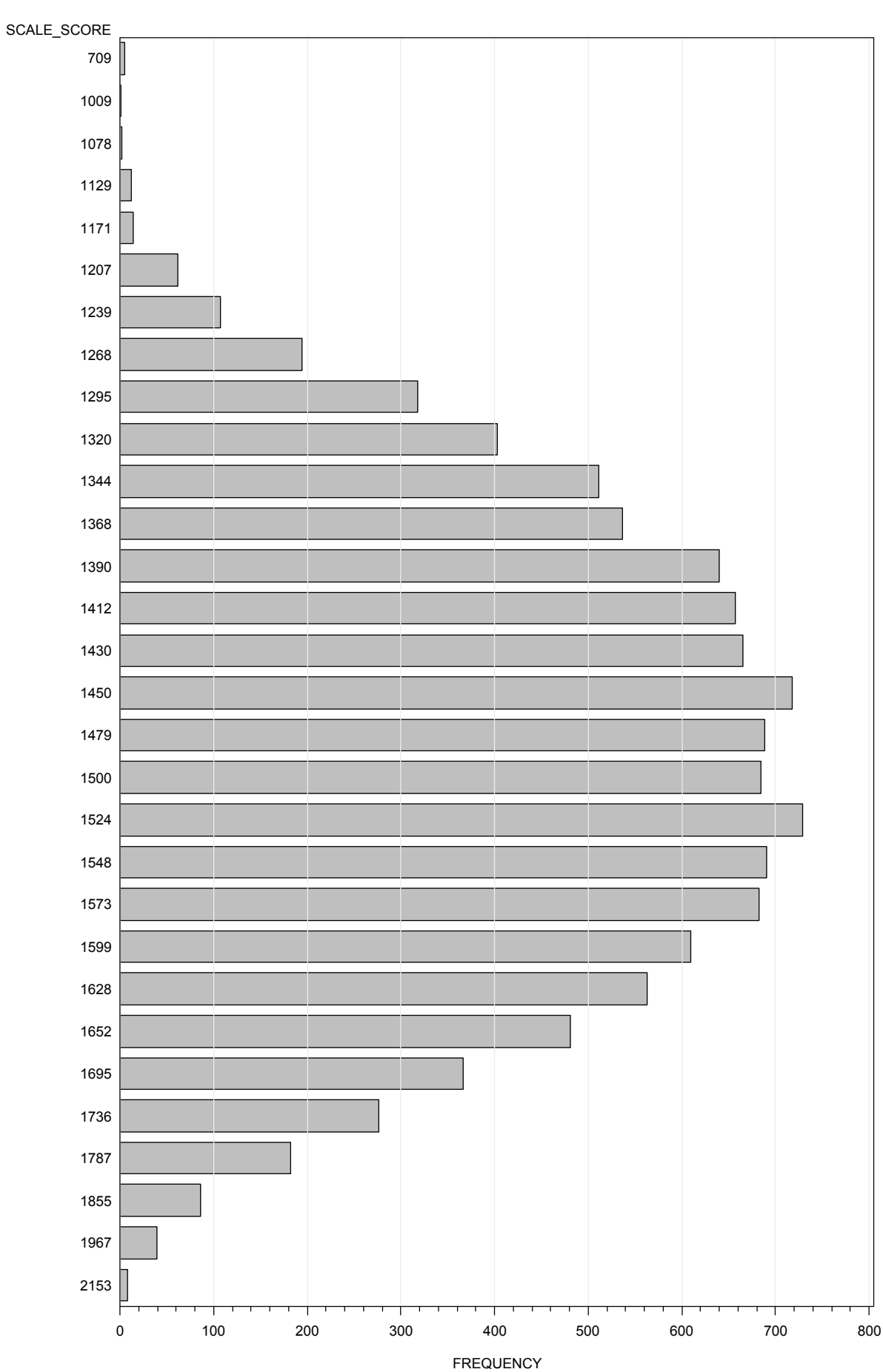

SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
709	5	5	0.05	0.05
1009	1	6	0.01	0.05
1078	2	8	0.02	0.07
1129	12	20	0.11	0.18
1171	14	34	0.13	0.31
1207	62	96	0.57	0.88
1239	107	203	0.98	1.86
1268	194	397	1.77	3.63
1295	318	715	2.91	6.54
1320	403	1118	3.69	10.23
1344	511	1629	4.67	14.90
1368	537	2166	4.91	19.81
1390	640	2806	5.85	25.67
1412	657	3463	6.01	31.68
1430	665	4128	6.08	37.76
1450	718	4846	6.57	44.33
1479	689	5535	6.30	50.63
1500	684	6219	6.26	56.89
1524	729	6948	6.67	63.56
1548	691	7639	6.32	69.88
1573	682	8321	6.24	76.12
1599	610	8931	5.58	81.70
1628	563	9494	5.15	86.85
1652	481	9975	4.40	91.25
1695	366	10341	3.35	94.59
1736	276	10617	2.52	97.12
1787	182	10799	1.66	98.78
1855	86	10885	0.79	99.57
1967	39	10924	0.36	99.93
2153	8	10932	0.07	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

STAAR MODIFIED EOC SPRING 2013
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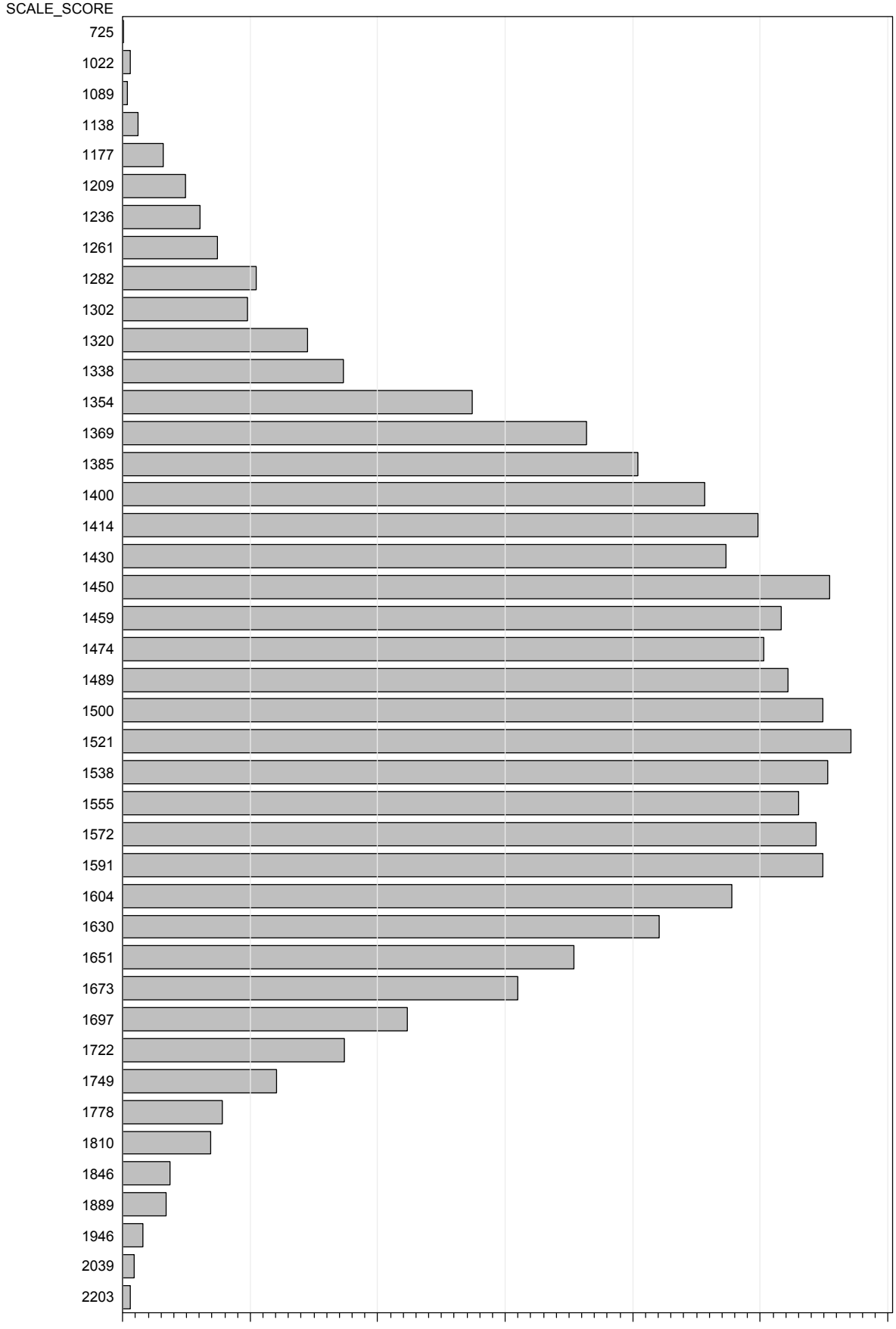

SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
725	1	1	0.01	0.01
1022	6	7	0.05	0.06
1089	4	11	0.04	0.10
1138	12	23	0.11	0.21
1177	32	55	0.29	0.50
1209	49	104	0.45	0.95
1236	61	165	0.56	1.51
1261	74	239	0.68	2.18
1282	105	344	0.96	3.14
1302	98	442	0.89	4.04
1320	145	587	1.32	5.36
1338	173	760	1.58	6.94
1354	274	1034	2.50	9.44
1369	364	1398	3.32	12.77
1385	404	1802	3.69	16.46
1400	456	2258	4.16	20.62
1414	498	2756	4.55	25.17
1430	473	3229	4.32	29.49
1450	554	3783	5.06	34.55
1459	516	4299	4.71	39.26
1474	503	4802	4.59	43.85
1489	522	5324	4.77	48.62
1500	549	5873	5.01	53.63
1521	571	6444	5.21	58.85
1538	553	6997	5.05	63.90
1555	530	7527	4.84	68.74
1572	544	8071	4.97	73.71
1591	549	8620	5.01	78.72
1604	478	9098	4.37	83.09
1630	421	9519	3.84	86.93
1651	354	9873	3.23	90.16
1673	310	10183	2.83	93.00
1697	223	10406	2.04	95.03
1722	174	10580	1.59	96.62
1749	121	10701	1.11	97.73
1778	78	10779	0.71	98.44
1810	69	10848	0.63	99.07
1846	37	10885	0.34	99.41
1889	34	10919	0.31	99.72
1946	16	10935	0.15	99.86
2039	9	10944	0.08	99.95
2203	6	10950	0.05	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

STAAR MODIFIED EOC SPRING 2013
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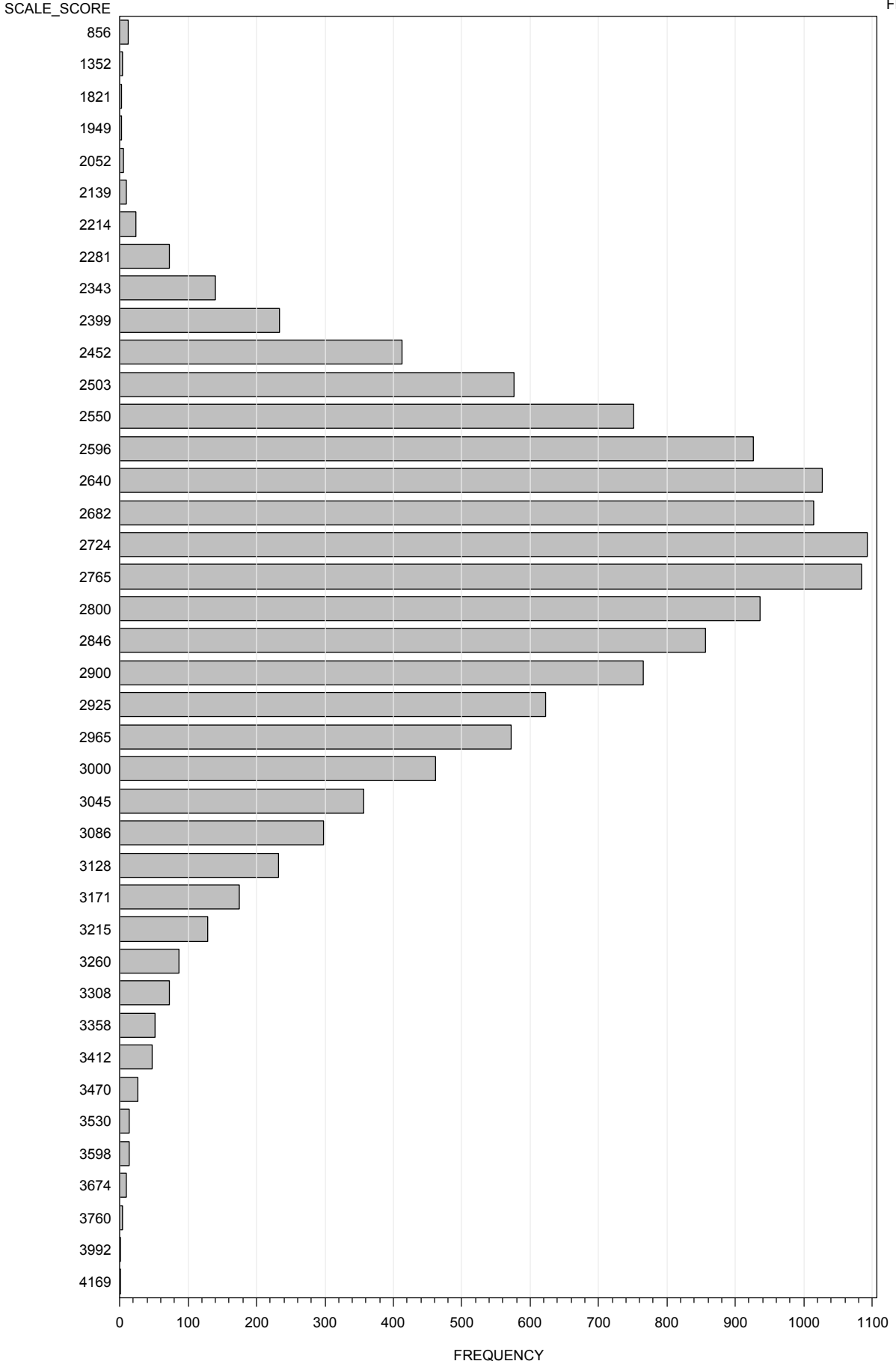

SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
856	12	12	0.09	0.09
1352	4	16	0.03	0.12
1821	2	18	0.02	0.14
1949	3	21	0.02	0.16
2052	6	27	0.05	0.21
2139	10	37	0.08	0.28
2214	24	61	0.18	0.46
2281	72	133	0.55	1.01
2343	140	273	1.07	2.08
2399	234	507	1.78	3.86
2452	412	919	3.14	7.00
2503	577	1496	4.40	11.40
2550	752	2248	5.73	17.13
2596	927	3175	7.06	24.19
2640	1027	4202	7.83	32.02
2682	1014	5216	7.73	39.74
2724	1093	6309	8.33	48.07
2765	1084	7393	8.26	56.33
2800	936	8329	7.13	63.46
2846	856	9185	6.52	69.99
2900	765	9950	5.83	75.82
2925	623	10573	4.75	80.56
2965	572	11145	4.36	84.92
3000	462	11607	3.52	88.44
3045	357	11964	2.72	91.16
3086	298	12262	2.27	93.43
3128	232	12494	1.77	95.20
3171	175	12669	1.33	96.53
3215	128	12797	0.98	97.51
3260	86	12883	0.66	98.16
3308	73	12956	0.56	98.72
3358	52	13008	0.40	99.12
3412	47	13055	0.36	99.47
3470	26	13081	0.20	99.67
3530	14	13095	0.11	99.78
3598	14	13109	0.11	99.89
3674	9	13118	0.07	99.95
3760	4	13122	0.03	99.98
3992	1	13123	0.01	99.99
4169	1	13124	0.01	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

STAAR MODIFIED EOC SPRING 2013
GEOMETRY
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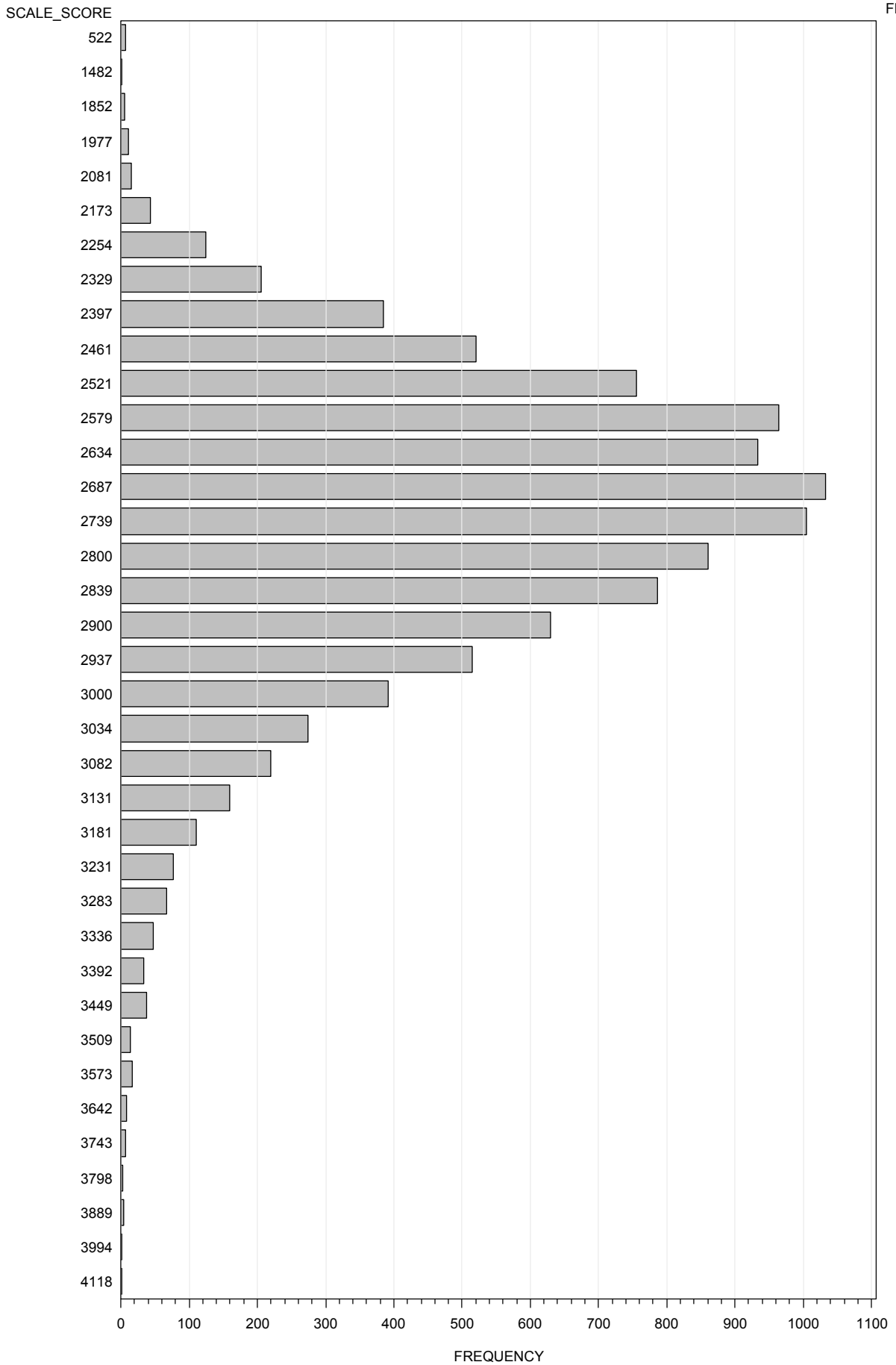
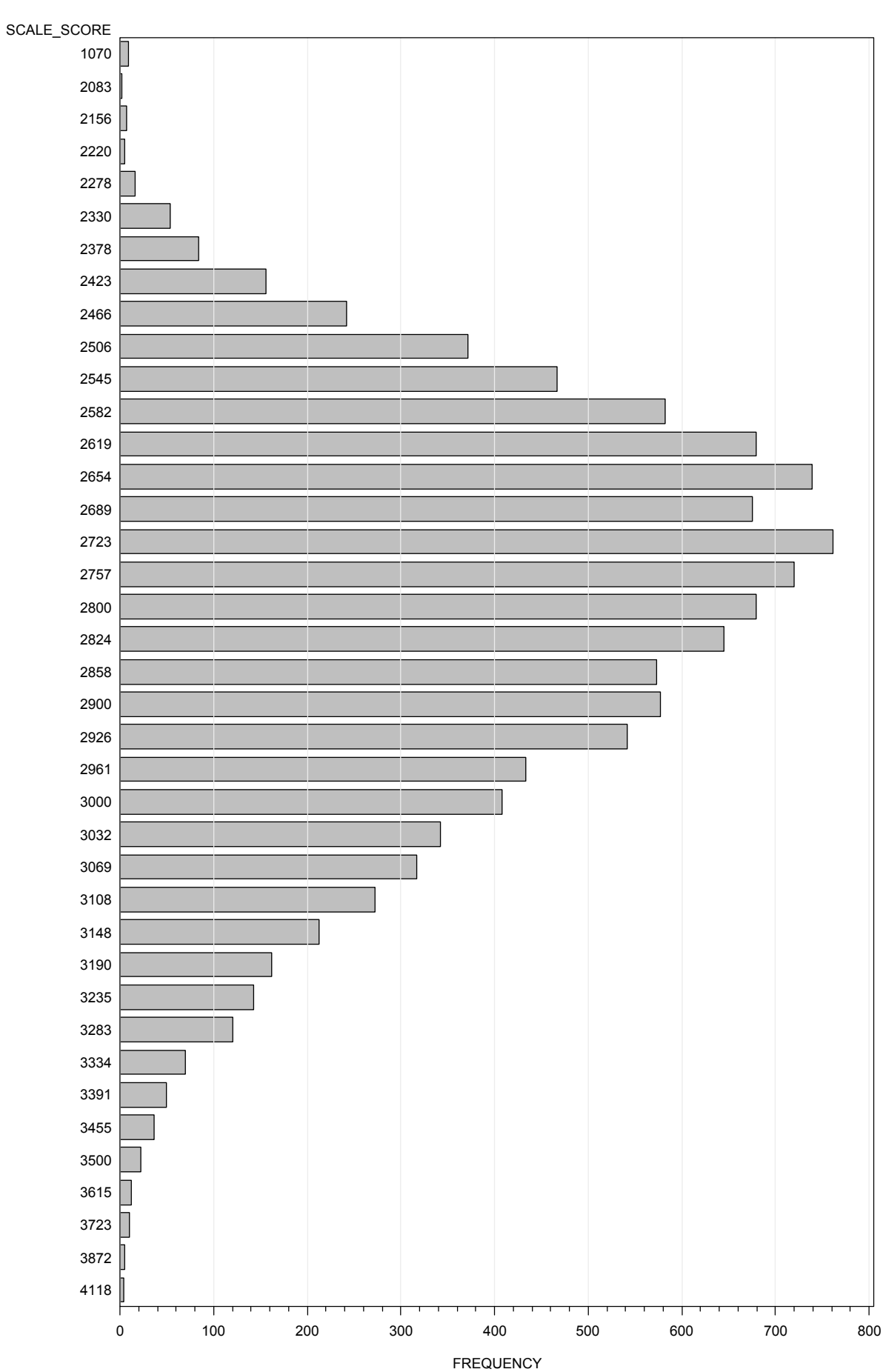


SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
522	7	7	0.07	0.07
1482	1	8	0.01	0.08
1852	5	13	0.05	0.13
1977	11	24	0.11	0.23
2081	15	39	0.15	0.38
2173	43	82	0.42	0.80
2254	124	206	1.21	2.01
2329	205	411	2.00	4.00
2397	385	796	3.75	7.75
2461	520	1316	5.06	12.81
2521	756	2072	7.36	20.17
2579	964	3036	9.38	29.56
2634	933	3969	9.08	38.64
2687	1032	5001	10.05	48.69
2739	1005	6006	9.78	58.47
2800	861	6867	8.38	66.85
2839	787	7654	7.66	74.51
2900	629	8283	6.12	80.64
2937	515	8798	5.01	85.65
3000	391	9189	3.81	89.46
3034	274	9463	2.67	92.12
3082	220	9683	2.14	94.27
3131	160	9843	1.56	95.82
3181	111	9954	1.08	96.90
3231	77	10031	0.75	97.65
3283	67	10098	0.65	98.31
3336	48	10146	0.47	98.77
3392	34	10180	0.33	99.10
3449	37	10217	0.36	99.46
3509	14	10231	0.14	99.60
3573	17	10248	0.17	99.77
3642	8	10256	0.08	99.84
3743	7	10263	0.07	99.91
3798	3	10266	0.03	99.94
3889	4	10270	0.04	99.98
3994	1	10271	0.01	99.99
4118	1	10272	0.01	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

STAAR MODIFIED EOC SPRING 2013
BIOLOGY
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1070	9	9	0.08	0.08
2083	2	11	0.02	0.10
2156	7	18	0.06	0.16
2220	5	23	0.04	0.21
2278	16	39	0.14	0.35
2330	54	93	0.48	0.83
2378	84	177	0.75	1.58
2423	156	333	1.39	2.97
2466	242	575	2.16	5.13
2506	371	946	3.31	8.44
2545	467	1413	4.17	12.61
2582	582	1995	5.20	17.81
2619	679	2674	6.06	23.87
2654	739	3413	6.60	30.47
2689	675	4088	6.03	36.49
2723	761	4849	6.79	43.28
2757	720	5569	6.43	49.71
2800	679	6248	6.06	55.77
2824	645	6893	5.76	61.53
2858	573	7466	5.11	66.64
2900	577	8043	5.15	71.79
2926	542	8585	4.84	76.63
2961	433	9018	3.87	80.50
3000	408	9426	3.64	84.14
3032	342	9768	3.05	87.19
3069	317	10085	2.83	90.02
3108	272	10357	2.43	92.45
3148	213	10570	1.90	94.35
3190	162	10732	1.45	95.80
3235	143	10875	1.28	97.07
3283	120	10995	1.07	98.14
3334	70	11065	0.62	98.77
3391	49	11114	0.44	99.21
3455	36	11150	0.32	99.53
3500	22	11172	0.20	99.72
3615	12	11184	0.11	99.83
3723	10	11194	0.09	99.92
3872	5	11199	0.04	99.96
4118	4	11203	0.04	100.00

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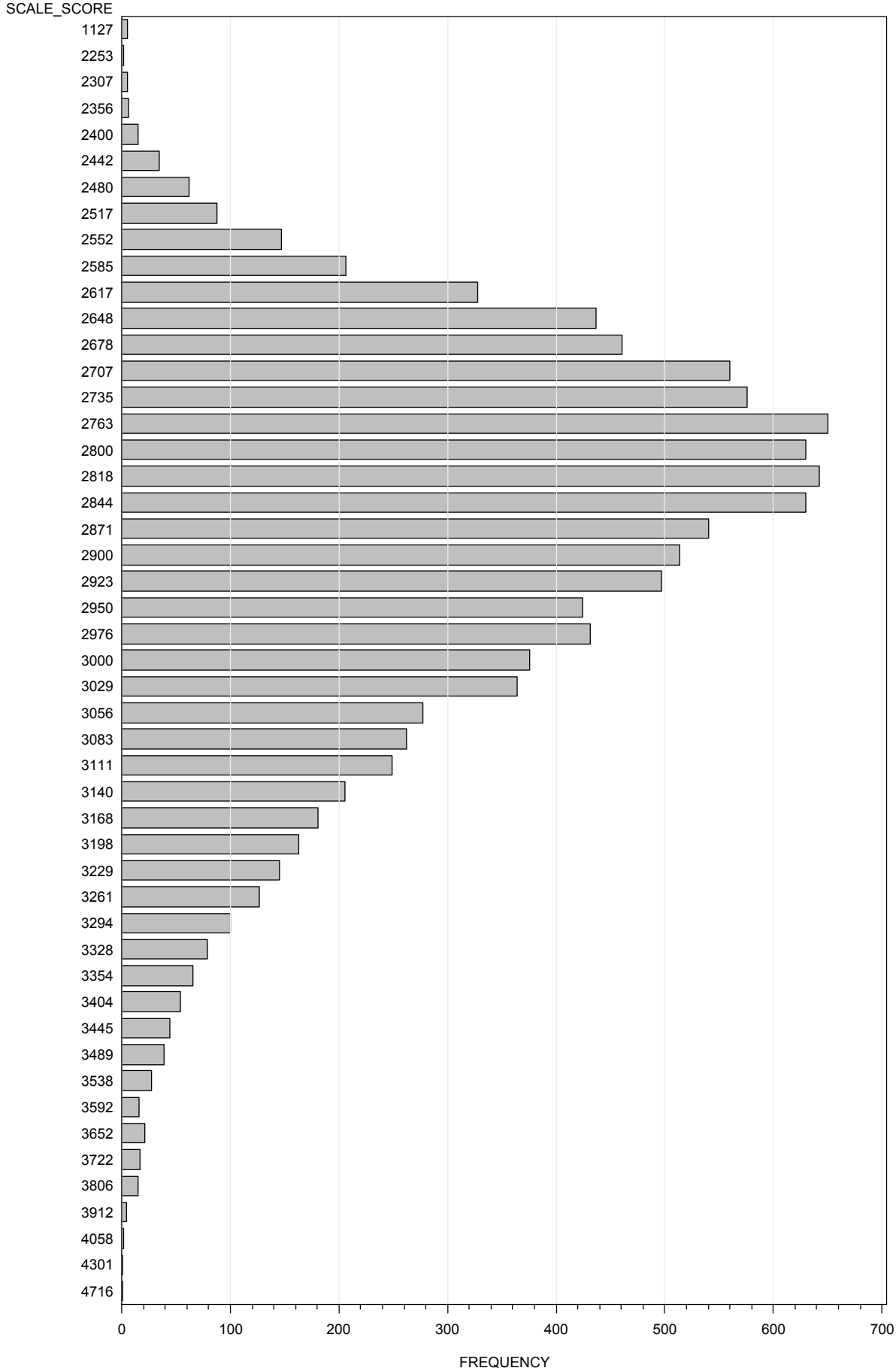

SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1127	5	5	0.05	0.05
2253	2	7	0.02	0.07
2307	5	12	0.05	0.11
2356	6	18	0.06	0.17
2400	15	33	0.14	0.31
2442	34	67	0.32	0.62
2480	62	129	0.58	1.20
2517	88	217	0.82	2.02
2552	147	364	1.37	3.39
2585	206	570	1.92	5.32
2617	328	898	3.06	8.37
2648	437	1335	4.07	12.45
2678	461	1796	4.30	16.75
2707	560	2356	5.22	21.97
2735	576	2932	5.37	27.34
2763	650	3582	6.06	33.40
2800	630	4212	5.87	39.28
2818	642	4854	5.99	45.26
2844	630	5484	5.87	51.14
2871	540	6024	5.04	56.17
2900	514	6538	4.79	60.97
2923	497	7035	4.63	65.60
2950	424	7459	3.95	69.55
2976	431	7890	4.02	73.57
3000	376	8266	3.51	77.08
3029	364	8630	3.39	80.47
3056	277	8907	2.58	83.06
3083	262	9169	2.44	85.50
3111	249	9418	2.32	87.82
3140	205	9623	1.91	89.73
3168	181	9804	1.69	91.42
3198	163	9967	1.52	92.94
3229	145	10112	1.35	94.29
3261	127	10239	1.18	95.48
3294	100	10339	0.93	96.41
3328	79	10418	0.74	97.15
3354	65	10483	0.61	97.75
3404	54	10537	0.50	98.26
3445	44	10581	0.41	98.67
3489	39	10620	0.36	99.03
3538	27	10647	0.25	99.28
3592	16	10663	0.15	99.43
3652	21	10684	0.20	99.63
3722	17	10701	0.16	99.79
3806	15	10716	0.14	99.93
3912	4	10720	0.04	99.96
4058	2	10722	0.02	99.98
4301	1	10723	0.01	99.99
4716	1	10724	0.01	100.00